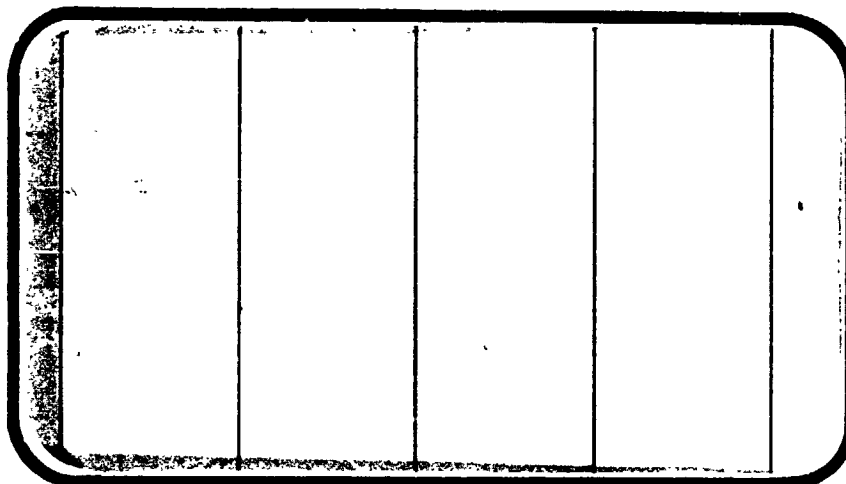




NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



(NASA-CR-144580) LANDING PRESSURE LOADS OF
THE 140A/B SPACE SHUTTLE ORBITER (MODEL
43-0) DETERMINED IN THE ROCKWELL
INTERNATIONAL LOW SPEED WIND TUNNEL (CA69),
VOLUME 1 Aerothermodynamic Data Report

N76-16137

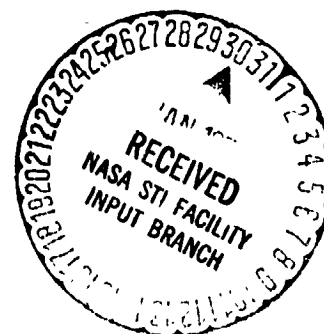
HC \$12.75

Unclas

G3/18 08746

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

December, 1975

DMS-DR-2081
NASA CR-144,580

VOLUME 1 OF 2

LANDING PRESSURE LOADS OF THE -140A/B
SPACE SHUTTLE ORBITER (MODEL 43-0) DETERMINED IN THE
ROCKWELL INTERNATIONAL LOW SPEED WIND TUNNEL
(0A69)

by

T. L. Soard
Rockwell International

Prepared Under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: NAAL 711
NASA Series Number: OA69
Test Dates: 27 through 31 August 1973
Model Number: 43-0

FACILITY COORDINATOR:

R. B. Russell
Rockwell International B-1 Division
Los Angeles International Airport
Los Angeles, California 90009

Phone: (213) 670-9151, X-3343

PROJECT ENGINEERS:

B. W. Cameron and T. L. Soard
Rockwell International B-1 Division
Los Angeles International Airport
Los Angeles, California 90009

Phone: (213) 670-9151, X-3343

DATA MANAGEMENT SERVICES:

Prepared by: Liaison--D. A. Sarver
Operations--H. C. Zimmerle

Approved: J. F. Glynn
J. F. Glynn, Manager
Data Operations

Concurrence: N. D. Kemp
N. D. Kemp, Manager
Data Management Services

Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

LANDING PRESSURE LOADS OF THE -140A/B
SPACE SHUTTLE ORBITER (MODEL 43-0) DETERMINED IN THE
ROCKWELL INTERNATIONAL LOW SPEED WIND TUNNEL

(OA69)

by

T. L. Soard
Rockwell International

ABSTRACT

The data presented in this report were obtained during wind tunnel tests of a 0.0405 scale model of the -140A/B configuration of the Space Shuttle Vehicle Orbiter. These tests were conducted in the Rockwell International Low Speed Wind Tunnel (NAAL) during the period of August 28, 1973 to August 31, 1973. NASA Space Shuttle test designation is OA69.

The primary test objective was to obtain pressure loads data from the orbiter in the landing configuration in the presence of the ground for structural strength analysis. This was accomplished by locating as many as 30 static pressure bugs at various locations on external model surfaces as each configuration was tested. A complete pressure loads survey was generated for each configuration by combining data from all bug locations, and this report describes those loads for the fuselage, wing, vertical tail, and landing gear doors.

Aerodynamic force data was measured by a six component internal strain gage balance. This data was recorded to correct model angles of

attack and sideslip for sting and balance deflections and to determine the aerodynamic effects of landing gear extension.

All testing was conducted at a Mach number of 0.165 and a Reynolds number of 1.2×10^6 per foot. Configurations tested included elevator deflections of 0° , -20° , and -40° , and rudder deflections of 0° , -7.5° , and -15° . The angle of attack range was -3° to $+16^\circ$ with the model center of rotation remaining at the same height above the ground plane throughout the test. All configurations were tested at angles of sideslip of 0° and $\pm 10^\circ$.

TABLE OF CONTENTS

	<u>Page</u>
ABSTRACT	iii
INDEX OF MODEL FIGURES	2
INDEX OF DATA FIGURES	3
NOMENCLATURE	8
CONFIGURATIONS INVESTIGATED	12
FACILITY DESCRIPTION	14
DATA REDUCTION	15
TABLES	
I. TEST CONDITIONS	17
II. DATA SET/RUN NUMBER COLLATION SUMMARY	
A. FORCE DATA	18
B. PRESSURE DATASET/COMPONENT	19
C. COMPONENT/PRESSURE I. D. NUMBER	20
D. PRESSURE I. D./RUN NUMBER	22
III. MODEL DIMENSIONAL DATA	25
IV. PRESSURE BUG LOCATIONS	35
MODEL FIGURES	46
<u>VOLUME I</u>	
DATA FIGURES	53
<u>VOLUME II</u>	
APPENDIX A - TABULATED FORCE DATA	
APPENDIX B - TABULATED PRESSURE DATA	

INDEX OF MODEL FIGURES

<u>FIGURE</u>	<u>TITLE</u>	<u>PAGE</u>
1	Axis Systems	46
2.	Model Sketches	
	a. Model General Arrangement	47
	b. Model Installation	48
	c. Pressure Bug Location	49
	d. Model Base - View Fwd.	50
	e. Landing Gear Door Pressure Tap Locations	51
3.	Model Installation Photographs	52

INDEX OF DATA FIGURES

FIGURE	TITLE	PLOTTED COEFFICIENTS SCHEDULE		CONDITIONS VARYING	PAGES
4	Longitudinal Characteristics, Gear On and Off - Beta = -5 and -10 Deg.	A		Configuration, Beta	1-10
5	Longitudinal Characteristics, Gear On and Off - Beta = 0 Deg.	A		Configuration	11-20
6	Longitudinal Characteristics, Gear On and Off - Beta = 10 Deg.	A		Configuration	21-30
7	Lateral Directional Characteristics, Gear On and Off - Beta = -5 and -10 Deg.	B		Configuration, Beta	31-33
8	Lateral Directional Characteristics, Gear On and Off - Beta = 0 Deg.	B		Configuration	34-36
9	Lateral Directional Characteristics, Gear On and Off - Beta = 10 Deg.	B		Configuration	37-39
10	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = 0, Beta = -10	C		Alpha, PHI	40-51
11	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = 0, Beta = 0	C		Alpha, PHI	52-63
12	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = 0, Beta = +10	C		Alpha, PHI	64-75
13	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = -20, Beta = -10	C		Alpha, PHI	76-87
14	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = -20, Beta = 0	C		Alpha, PHI	88-99

INDEX OF DATA FIGURES (Continued)

FIGURE	TITLE	PLOTTED		CONDITIONS VARYING	PAGES
		COEFFICIENTS	SCHEDULE		
15	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = -20, Beta = +10	C		Alpha, PHI	100-111
16	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = -40, Beta = -10	C		Alpha, PHI	112-123
17	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = -40, Beta = 0	C		Alpha, PHI	124-135
18	Fuselage Longitudinal Pressure Distribution, Alpha Effect, Elevon = -40, Beta = +10	C		Alpha, PHI	136-147
19	Fuselage Longitudinal Pressure Distribution, Rudder Effect, Beta = -10	C		Left/Right, Rudder, Alpha, PHI	148-165
20	Fuselage Longitudinal Pressure Distribution, Rudder Effect, Beta = 0	C		Left/Right, Rudder, Alpha, PHI	166-183
21	Fuselage Longitudinal Pressure Distribution, Rudder Effect, Beta = +10	C		Left/Right, Rudder, Alpha, PHI	184-201
22	Fuselage Circumferential Pressure Distribution, Alpha Effect, Elevon = 0, Beta = -10	D		Alpha, X/LB*	202-210
23	Fuselage Circumferential Pressure Distribution, Alpha Effect, Elevon = 0, Beta = 0	D		Alpha, X/LB*	211-219
24	Fuselage Circumferential Pressure Distribution, Alpha Effect, Elevon = 0, Beta = +10	D		Alpha, X/LB*	220-223

* Multi-grid plots with X/LB values listed at the top of each plot page.
The first value listed corresponds to the left plot grid.

INDEX OF DATA FIGURES (Continued)

FIGURE	TITLE	PLOTTED		CONDITIONS VARYING	PAGES
		COEFFICIENTS	SCHEDULE		
25	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = 0, Beta = -10	E		Upper/Lower, Alpha, Y/BW	229-242
26	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = 0, Beta = 0	E		Upper/Lower, Alpha, Y/BW	243-256
27	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = 0, Beta = +10	E		Upper/Lower, Alpha, Y/BW	257-270
28	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = -20, Beta = -10	E		Upper/Lower, Alpha, Y/BW	271-284
29	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = -20, Beta = 0	E		Upper/Lower Alpha, Y/BW	285-298
30	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = -20, Beta = +10	E		Upper/Lower Alpha, Y/BW	299-312
31	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = -40, Beta = -10	E		Upper/Lower Alpha, Y/BW	313-326
32	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = -40, Beta = 0	E		Upper/Lower Alpha, Y/BW	327-340
33	Wing Chordwise Pressure Distribution, Alpha Effect, Elevon = -40, Beta = +10	E		Upper/Lower Alpha, Y/BW	341-354
34	Wing Chordwise Pressure Distribution, Rudder Effect, Beta = -10	E		Left/Right, Rudder, Alpha, Y/BW	355-360
35	Wing Chordwise Pressure Distribution, Rudder Effect, Beta = 0	E		Left/Right, Rudder, Alpha, Y/BW	361-366

INDEX OF DATA FIGURES (Continued)

FIGURE	TITLE	PLOTTED		PAGES
		COEFFICIENT	CONDITIONS	
		SCHEDULE	VARYING	
36	Wing Chordwise Pressure Distribution, Rudder Effect, Beta = +10	E	Left/Right, Rudder, Alpha, Y/BW	367-372
37	Vertical Tail Chordwise Pressure Distribution, Rudder Effect, Beta = -10	F	Left/Right, Rudder, Alpha, Z/BV	373-387
38	Vertical Tail Chordwise Pressure Distribution, Rudder Effect, Beta = 0	F	Left/Right, Rudder, Alpha, Z/BV	388-402
39	Vertical Tail Chordwise Pressure Distribution, Rudder Effect, Beta = +10	F	Left/Right, Rudder, Alpha, Z/BV	403-417
40	Main Landing Gear Door Longitudinal Pressure Distribution, Elevon = 0	G	Z/HG, Alpha*, Beta	418-426
41	Main Landing Gear Door Longitudinal Pressure Distribution, Elevon = -20	G	Z/HG, Alpha*, Beta	427-435
42	Main Landing Gear Door Longitudinal Pressure Distribution, Elevon = -40	G	Z/HG, Alpha*, Beta	436-444
43	Nose Landing Gear Door Longitudinal Pressure Distribution, Elevon = 0	G	Z/HG, Alpha*, Beta	445-453

* Multi-grid plots with alpha values listed at the top of each plot page.
The first value listed corresponds to the left plot grid.

INDEX OF DATA FIGURES (Concluded)

PLOTTED COEFFICIENTS SCHEDULE:

- A) CL, CN, CLM, CDF, CAF, CAB, XCP/L vs. ALPHA:
CL vs. CDF, CLM; L/DF vs. ALPHA
- B) CY, CBL, CYN vs. ALPHA
- C) CP vs. X/LB
- D) CP vs. PHI
- E) CP vs. X/CW
- F) CP vs. X/CV
- G) CP vs. X/LG

NOMENCLATURE General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
\bar{L}_{REF} \bar{c}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient; $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS \ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS \ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D _f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)
Surface Deflections

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
δ_e	ELEVON	elevon surface deflection angle, positive deflection, trailing edge down; degrees
δ_f	BDFLAP	body flap surface deflection angle, positive deflection, trailing edge down; degrees
δ_r	RUDDER	rudder surface deflection angle, positive deflection, trailing edge to the left; degrees

ADDITIONS TO STANDARD NOMENCLATURE
FOR TEST OA69

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
x/ℓ_B	X/LB	<p>fuselage local coordinate, longitudinal distance from the nose expressed as a fraction of body length</p> $X/LB = \frac{F.S. - 235}{1290.3}$ <p>(F.S. = full scale fuselage station)</p>
ϕ	PHI	<p>fuselage local coordinate, radial position angle measured from the bottom centerline in degrees, 0° to 180° on both sides.</p>
$\eta, \frac{y}{b/2}$	Y/BW	<p>wing local coordinate, spanwise distance from model centerline expressed as a fraction of wing semispan.</p>
x/c	X/CW	<p>wing local coordinate, chordwise distance from the local leading edge expressed as a fraction of local chord.</p>
$\eta_v, \frac{z}{b_v}$	Z/BV	<p>vertical tail local coordinate, vertical distance from W.L. 500 (full scale) expressed as a fraction of the vertical tail height measured from W.L. 500.</p>
x/c	X/CV	<p>vertical tail local coordinate, chordwise distance from the local leading edge expressed as a fraction of local chord.</p>

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
x/l_G	X/LG	landing gear door local coordinate, distance from the leading edge expressed as a fraction of door length.
x/h_G	Z/HG	landing gear door local coordinate, distance from the upper edge expressed as a fraction of the door width.
A_{BC}		balance chamber area, ft. ²
$C_{A_{BC}}$		balance chamber axial force coefficient.
C_{AT}		weight tare axial force coefficient.
C_{AU}		uncorrected axial force coefficient.
CRFS		model longitudinal center of rotation, in fus. sta.
CRWF		model vertical center of rotation, in. W.F.
	GP.POS	wing trailing edge height above ground plane, fraction of wing span, at $\alpha = 0^\circ$
P_B		base pressure, psia.
P_{BC}		balance chamber pressure.
$P_{B1}, P_{B2}, \dots, P_{B5}$		base pressure at stations 1, 2, ..., 5, respectively, psia.
X_{cp}/L_B	XCP/L	longitudinal center of pressure, fraction of body length.

The model tested was an 0.0405 scale representation of the -110 A/B configuration of the Rockwell International Space Shuttle Vehicle Orbiter. The model was constructed about an aluminum balance block with a 4.25 inch diameter balance cavity. The body mold lines, wings, and vertical tail attach directly to this block, and all model components are constructed of wood and/or aluminum.

The basic model configuration is of the blended wing-body design utilizing a double delta wing (75/45A_{L.P.}), full span elevons (unswept hingeline), a centerline vertical tail with rudder and/or speedbrake capability, and side mounted manipulator arm housings. A canopy, body flap, orbital maneuvering system, and landing gear attach to the fuselage and complete the basic configuration.

The following nomenclature designates the model components used during this test.

127
 007. CONFIGURATION PARAMETERS (Continued)

<u>Component</u>	<u>Description</u>
B ₂₆	-140A/B Baseline Fuselage
C ₉	-140A/B Baseline Canopy, Configuration 3A
E ₂₆	Full Span Split Elevon used on Wing W ₁₁₆ , Configuration 4.
F ₈	Fuselage B ₂₆ Body Flap, Configuration 4
G ₁₅	Landing Gear
M ₇	Fuselage B ₂₆ Oms Pods, Configuration 3A
R ₅	Rudder used on Vertical V ₈ , Configuration 3A
V ₈	-140A/B Baseline Vertical Tail, Configuration 3A
W ₁₁₆	-140A/B Baseline Double Delta Wing, $S_W = 2690 \text{ ft}^2$
X ₉	Transition Grit, .0051 In. Diameter on Nose, .0077 In. Diameter on Wings and Vertical Tail

TEST FACILITY DESCRIPTION

North American Aerodynamics Laboratory (NAAL) 7.75 x 11-foot Wind Tunnel is a continuous flow, closed circuit, single return tunnel capable of speeds up to 200 miles per hour.

The test section is vented to atmospheric pressure and is 7.75 x 11 feet wide and 12 feet long. Power is supplied by a 1250-horsepower nacelle-mounted synchronous motor driving a 19-foot, seven-blade, laminated birch propeller. Airspeed is controlled by using a magnetic clutch to vary the degree of coupling between the motor and propeller. Turbulence is minimized by a damping screen and a honeycomb section in the settling chamber upstream from the contraction cone (ratio 7.53 to 1).

Tests may be conducted using a variety of mounting systems: single strut, double strut, sting strut, reflection plane, cable suspension, or two-dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting-mounted internal balances. An Astrodata Automatic Data Acquisition System collects, multiplexes, digitizes, and records on magnetic tape 50 channels of force or pressure data or both. Data are then reduced and plotted using automatic data processing equipment and an automatic digital plotter.

The NAAL Wind Tunnel has been operating since June 1943. Calibrations are available over a wide range of test conditions.

DATA REDUCTION

All model force and pressure data was reduced to coefficient form in both the body and stability axis systems. Model angles of attack and sideslip were corrected for sting and balance deflections in addition to the standard facility corrections (wall interference, blockage effects, etc.) applied as required.

Axial force (body axes) was corrected for model weight tare in addition to base pressure effects. Corrections were made prior to the calculation of stability axis data. Axial force corrections were applied in the following manner:

$$C_{AF} = C_{AU} - C_{A_{BC}} - C_{AB} - C_{AT}$$

Where

$$C_{A_{BC}} = \frac{P_{BC} - P_o}{q} \frac{A_{BC}}{S_W}$$

And

$$C_{AB} = \frac{P_B - P_o}{q} \frac{A_B}{S_W}, \quad P_B = 1/5 (P_{B1} + P_{B2} + \dots + P_{B5})$$

And

$$C_{AT} = \text{Model Axial Force Weight Tare}$$

Center of pressure was computed in percent of body length as indicated below:

$$X_{CP/LB} = \text{C.G. (In. Aft of Nose)} - \frac{C_m}{C_N}$$

DATA REDUCTION - Continued

All model pressure measurements recorded were reduced to coefficient form in the following manner:

$$C_{p_i} = \frac{P_i - P_o}{q}, \quad i = \text{pressure orifice number}$$

All aerodynamic data were reduced to coefficient form using the following reference dimensions:

<u>Symbol</u>	<u>Definition</u>	<u>Full Scale</u>	<u>Model Scale</u>
A_B	Area of base, ft ² (with OMS)		.594
	(without OMS)		.440
A_{BC}	Area of balance cavity, ft ²		.0985
XMRP	Reference C.G., in. aft of nose	841.47	34.080
	, fus. sta.	1076.47	43.597
ZMRP	Reference C.G., waterplane	400.00	16.200
CRFS	Model center of rotation, fus. sta.		47.700
CRWP	Model center of rotation, waterplane		7.503
l_R	Moment reference (orbiter body) length, in.	1290.30	52.257
S	Area of wing, ft ²	2890.00	4.912

DATE : 4.11.1957

TEST : 0A69, NAAI 711	DATE : 11/1/67
TABLE I. TEST CONDITIONS	

[illegible]

TASK 2.5 INCH MK IX

	CAPACITY	ACCURACY	COEFFICIENT TOLERANCE.
NF	1500 LB.	+ .25 ⁶⁰ / ₁₀₀	
EF	750 LB.	+ .25 ⁰⁰ / ₁₀₀	
AF	200 LB.	+ .25 ⁰⁰ / ₁₀₀	
FM			
RM	4000 IN-LB.	+ .25 ⁰⁰ / ₁₀₀	
YM			

COMMENTS:

A. FORCE DATA

[illegible]

TABLE II (Continued)

TEST: 0A69 (NAAL 711)

DATE: Post-Test

DATA SET RUN NUMBER COLLATION SUMMARY

DATE: Post-Test

DATA SET IDENTIFIER

CONFIGURATION

SCHEMATIC

PARAMETERS/VALUES

NO. OF RUNS

MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)

RDQX03	B ₅ G ₉ M ₁₅ M ₁₆ E ₂₀ V ₈ R ₅ X ₉	A	-10	0	0	-A25	NA	N/A
04			0					
05			10					
06			-10	-20				
07			0					
08			10					
09			-10	-40				
10			0					
11			10					
12			-10	0	-15			
13			0					
14			10					
15			-10	-7.5				
16			0					
17			10					

NOTES:

- PRESSURE DATA
- COLATED AS A FUNCTION OF MODEL GEOMETRY FOR EACH MACH # & α
- LET SETS SEGREGATED BY MODEL COMPONENT
- IN DATASET IDENTIFIER REPRESENTS COMPONENT IDENTIFIER
 - X=A ⇒ RIGHT FUSELAGE *
 - X=B ⇒ LEFT FUSELAGE *
 - X=F ⇒ BODY FLAP
 - X=M ⇒ OMS POD OUTSIDE
 - X=N ⇒ OMS POD INSIDE
 - X=G ⇒ LEFT MAIN L.G. DOOR OUTSIDE *
 - X=H ⇒ LEFT MAIN L.G. DOOR INSIDE *
 - X=J ⇒ LEFT NOSE L.G. DOOR OUTSIDE
 - X=K ⇒ LEFT NOSE L.G. DOOR INSIDE *
 - X=L ⇒ LEFT LOWER WING *
 - X=U ⇒ LEFT UPPER WING *
 - X=W ⇒ RIGHT UPPER WING *
 - X=R ⇒ RIGHT VERTICAL TAIL
 - X=V ⇒ LEFT VERTICAL TAIL

CR

α: A = -3, 0.5, 10, 12, 16

COEFFICIENTS

OPPOSITE SIDES AND/OR UNLIE DEFLECTIONS

DETERMINED IN COLLATION - SEE TABLE II - C

TABLE II (Continued)
C. COMPONENT/PRESSURE I.D. NUMBER SUMMARY

COMPONENT NAME	DATASET I.D. RDQ---	PRESS. I.D.	CONTROL DEFLECT. δe δR	PRESSURE BUG LOCATIONS (see table IV for complete list)
RIGHT FUSELAGE *	A12-17	1-16 25-30	0 0 0 NOM	X/LB < .732 (F.S. 1180) LEFT X/LB > .783 (F.S. 1245), PHI > 90° RIGHT
LEFT FUSELAGE	B03-11	1-10 11-22	0 0 NOM 0	X/LB < .236 (F.S. 540) X/LB > .302 (F.S. 625)
LEFT FUSELAGE	B12-17	1-16 25-30	0 0 0 NOM	X/LB < .732 (F.S. 1180) X/LB > .783 (F.S. 1245), PHI > 90°
MLG DOOR OUTSIDE MLG DOOR INSIDE	G03-11 H03-11	8-10 11-15	0 0 NOM 0	X/LG < .20 X/LG > .30
LEFT LOWER WING * LEFT UPPER WING *	L03-11 U03-11	11-16 11-22	NOM 0 NOM 0	{Y/BW = .299, X/CW < .222 RIGHT Y/BW = .352 RIGHT Y/BW = .299, X/CW > .358 LEFT Y/BW > .405 LEFT
LEFT UPPER WING * RIGHT UPPER WING *	U12-17 W12-17	11-16 11-22 25-30	0 0 0 0 0 NOM	{Y/BW = .299, X/CW < .222 RIGHT Y/BW = .352 RIGHT {Y/BW = .299, .353 < X/CW < .695 LEFT Y/BW = .405, X/CW < .574 LEFT Y/BW > .534 LEFT Y/BW = .299, X/CW > .831 LEFT & RIGHT Y/BW = .405, X/CW > .763 LEFT & RIGHT

* For the right fuselage and all wing datasets, the complete surface is represented by combining data from opposite sides and sideslip angles.

TABLE II (Continued)
C. COMPONENT/PRESSURE I.D. NUMBER SUMMARY (Concluded)

COMPONENT NAME	DATASET I.D. RDQ---	PRESS. I.D.	CONTROL DEFLECT. δ_e δ_R	PRESSURE BUG LOCATIONS (see table IV for complete list)
BODY FLAP	F03-11	22	NOM 0	ALL
BODY FLAP	F12-17	30	0 NOM	ALL
OMS POD OUTSIDE OMS POD INSIDE	M03-11 N03-11	22	NOM 0	ALL
OMS POD OUTSIDE OMS POD INSIDE	M12-17 N12-17	30	0 NOM	ALL
NLG DOOR OUTSIDE NLG DOOR INSIDE	J03-05 K03-05	1-8	0 0	ALL
RIGHT VERT. TAIL	R12-17	23-30	0 NOM	ALL
LEFT VERT. TAIL	V03-11	15-22	NOM 0	ALL
LEFT VERT. TAIL	V12-17	23-30	0 NOM	ALL

TABLE II: TEST 0A63 DATA SET COLLATION SHEET (Continued)

☐ PRETEST
☒ POSTTEST

D. PRESSURE I.D./RUN NUMBER SUMMARY

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION							NO. OF RUNS	PRESSURE ID NO. RUN NUMBERS									
		α	β	δc	δr	δf	M	OFF	1	2		3	4	5	6	7	8	9	10		
222	BAC - GS	A	-10	0	0	-425	165	202													
			-5					203													
			0					204													
			+10					205													
	BAC		-10					99	1	4	7	10	13	16	19	22	25	28			
			0					200	2	5	8	11	14	17	20	23	26	29			
			+10					201	3	6	9	12	15	18	21	24	27	30			

1 7 13 15 25 31 37 43 49 55 61 67 75.76

COEFFICIENT: LA = -3.0° 5' 10" 13" 16" IDPVAR (1) IDPVAR (2) NDV

α or β
SCHEDULES

BAC = BAC 9 G 15 17 F 8 W 16 E 26 V 8 R 5 X 9

TABLE 'II.' TEST

OA69

DATA SET COLLATION SHEET (Continued)

☐ PRETEST☒ POSTTEST

D. PRESSURE I.D./RUN NUMBER SUMMARY (Continued)

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	PRESSURE ID														HIGH NUMBERS					
		α	β	δc	δr	δf	M		11	12	13	14	15	16	17	18	19	20	21	22								
RDQ	BASIC	A	-10	0°	0°	0°	1425	145	31	43	52	61	70	79	88	100	103	115	124	136								
			0						32	44	53	62	71	80	89	101	104	116	125	137								
			+10						33	45	54	63	72	81	90	102	105	117	126	138								
			-10	-20°					37	40	55	58	73	76	91	94	106	118	121	133								
			0						38	41	56	59	74	77	92	95	107	119	122	134								
			+10						39	42	57	60	75	78	93	96	108	120	123	135								
			-10	-40°					34	46	49	64	67	82	85	97	109	112	127	130								
			0						35	47	50	65	68	83	86	98	109	113	128	131								
			+10						36	48	51	66	69	84	87	99	110	114	129	132								

*NOTE: RUN NOS. 145-150 ARE FINAL DATA FOR
VERTICAL TAIL PRESSURES ONLY. ALL
OTHER PRESSURE DATASET COMPONENTS
ARE COLLATED USING RUN NOS. 94-102
FOR PRESSURE I.D. NO. 18.

COEFFICIENTS:

αA = -3° 0' 5" 10' 13' 16"

α or β

SCHEDULES

BASIC = B26 C9 G15 M7 F8 W116 E26 V8 R5 X9

IDPVAR(1) IDPVAR(2) NDV

7576

TABLE II. TEST 0A69 DATA SET COLLATION SHEET (Concluded)

D. PRESSURE I.D./RUN NUMBER SUMMARY

☐ PRETEST☒ POSTTEST

DATA SET IDENTIFIER		CONFIGURATION	SCHD.		CONTROL DEFLECTION						NO. of RUNS	PRESSURE ID										HATCH NUMBERS										POST TEST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			α	β	δ_e	δ_r	δ_f	δ	23	24		25	26	27	28	29	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
RDQ	BASIC	A	-10	0°	0°	-42.5°	165																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS: $\alpha A = -3.0, 5.10, 13.16$

α or β

SCHEDULES $BASIS = B26C9G15M7F8W116E26V8R5X9$

IDPVAR(1) IDPVAR(2) NDV

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B₂₆

GENERAL DESCRIPTION: Orbiter Fuselage Configuration 140 A/B

NOTE: B₂₆ identical to B₂₄ except underside of fuselage refaired to accept W₁₁₆.

Model Scale = .0405

DRAWING NUMBER: VL70-000193
VL70-000140A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Body Fwd Sta X ₀ = 235) - in.	1290.3	52.25715
Max. Width (at X ₀ = 1520) - in.	262.0	10.61100
Max. Depth (at X ₀ = 1464) - in.	250.0	10.12500
Fineness Ratio	4.92481	4.92481
Area - ft ²		
Max. Cross-Sectional	340.88462	0.55914
Planform		
Wetted		
Base		

TABLE III. (Continued)

MODEL COMPONENT: CANOPY - C_o

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .0405

DRAWING NUMBER

VL70-000140A

VL70-000142A

DIMENSION:

FULL SCALE

MODEL SCALE

Length ($X_o = 434.643$ to 670)

235.357

9.53196

Max Width ($\phi X_o = 513.127$)

152.412

6.17269

Max Depth ($\phi X_o = 485.0$)

25.000

1.01250

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(R)

TABLE III. (Continued)

MODEL COMPONENT: FLEVON - E₂₆GENERAL DESCRIPTION: Configuration 4NOTE: VL70-000400 data for (1) of (2) sides. Identical to E₂₅ except
airfoil thicknessModel Scale = .0405DRAWING NUMBER: VL70-000400
VL70-000400 B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>223.5814</u>	<u>0.36673</u>
Span (equivalent)	<u>368.34</u>	<u>14.91777</u>
Inb'd equivalent chord	<u>119.623</u>	<u>4.84473</u>
Outb'd equivalent chord	<u>55.1922</u>	<u>2.23528</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>-10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line)	<u>851.1502</u>	<u>0.05654</u>

TABLE III. (Continued)

MODEL COMPONENT: Body Flap - F₈

GENERAL DESCRIPTION: Configuration 4

Model Scale - .0405
DRAWING NUMBER VL70-000140B, VL70-000100

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length in.	94.856	3.84167
Max Width in.	262.308	10.62347
Max Depth in.	23.000	0.93150
Fineness Ratio		
Area - ft ²		
Max Cross-Sectional		
Planform	158.85350	0.26056
Wetted		
Base	41.89642	0.06872

TABLE III. (Continued)

MODEL COMPONENT: LANDING GEAR - G15

GENERAL DESCRIPTION: Main and nose landing gear, doors, and assemblies. Gear are in extended position, nose gear doors open 45°, main gear doors vertical.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140A

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
<u>NOSE GEAR</u>		
Number of wheels	2	2
Wheel axis:		
Fuselage station	374.74	15.177
Waterline	221.51	8.971
Wheel diameter, in.	32.00	1.296
Wheel width, in:		
Each wheel	8.80	0.356
Centerline-to-centerline	22.0	0.891
Main strut diameter, in.	7.72	0.312
Side door, both sides:		
Length, in.	105.93	4.290
Width (follows body contour)	21.53	0.872
Maximum thickness	7.01	0.284
Fuselage station at center of leading edge.	279.5	11.320
<u>MAIN GEAR</u>		
Number of wheels	2	2
Wheel axis:		
Fuselage station	1178.00	47.709
Waterline	185.26	7.503
Wheel diameter, in.	44.20	1.79
Wheel width, in:		
Each wheel	16.05	0.65
Centerline-to-centerline	36.00	1.458
Main strut diameter, in.	9.26	0.375
Buttplane of main strut centerline	138.0	5.589
Side door:		
Length, in.	156.05	6.32
Width, in.	68.64	2.78
Maximum thickness, in.	7.90	0.32
Fuselage station at top of leading edge	1044.93	42.320
Centerline buttplane	176.27	7.139

TABLE III. (Continued)

MODEL COMPONENT: O/S POD - M7

GENERAL DESCRIPTION: Configuration 3A

Model Scale : .0405

DRAWING NUMBER VL70-00014CA
VL70-000145

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (O/S Fwd Sta $X_0=1233.0$) - IN.	327.000	13.24350
Max Width (@ $X_0=1450.0$) - IN.	94.5	3.82725
Max Depth (@ $X_0=1493.0$) - IN.	109.000	4.4145
Fineness Ratio		
Area		
Max Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. (Continued)

MODEL COMPONENT: RUDDER - R5GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell LinesVL70-000095Model Scale = .0405DRAWING NUMBER: VL70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT ²	<u>106.38</u>	<u>0.17449</u>
Span (equivalent) - IN.	<u>201.0</u>	<u>8.14050</u>
Inb'd equivalent chord	<u>91.585</u>	<u>3.70919</u>
Outb'd equivalent chord	<u>50.833</u>	<u>2.05874</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line)- FT ³	<u>526.13</u>	<u>0.03495</u>
Product of Area and Mean Chord		

TABLE III. (Continued)

MODEL COMPONENT: VERTICAL - V 8GENERAL DESCRIPTION: Configuration 3A

NOTE: Similar to V5 with radius on TE upper corner and 1" lower corner
 where vertical meets fuselage.

Model Scale = .0405

DRAWING NUMBER:

VL70-000140A
 VL70-000146A

DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft ²	413.253	0.67784
Planform		
Span (Theo) In	315.720	12.78666
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.40399	0.40399
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	25.947	25.947
0.25 Element Line	41.130	
Chords:		
Root (Theo) WP	268.500	10.87425
Tip (Theo) WP	108.470	4.39303
MAC	199.80756	8.09221
Fus. Sta. of .25 MAC	1463.50	59.27175
W. P. of .25 MAC	635.522	25.73864
B. L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle Deg	10.00	10.00
Trailing Wedge Angle Deg	14.920	14.920
Leading Edge Radius (Min) - IN.	2.00	0.0810
Void Area	13.17	0.02160
Blanketed Area	0.00	0.00

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABLE III. (Continued)

MODEL COMPONENT: WING-W₁₁₆GENERAL DESCRIPTION: Configuration 4NOTE: Identical to W₁₁₄ except airfoil thickness. Dihedral angle is along
trailing edge of wing.

Model Scale = .0405

TEST NO.	DWG. NO.	VL70-000140B VL70-000400
DIMENSIONS:	FULL-SCALE	MODEL SCALE
<u>TOTAL DATA</u>		
Area (Theo.) Ft ²		
Planform	2690.00	4.41227
Span (Theo) In.	936.6816	37.93560
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees (at X ₀ =1506.623, Y ₀ =	3.500	3.500
Incidence Angle, degrees 105, Z ₀ = 282.75)	0.500	0.500
Aerodynamic Twist, degrees	+3.000	+3.000
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	-10.056	-10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.2429	27.91434
Tip, (Theo) B.P.	137.8486	5.58287
MAC	474.8117	19.22987
Fus. Sta. of .25 MAC	1126.721	45.63220
W.P. of .25 MAC	291.00	11.78550
B.L. of .25 MAC	187.33491	7.58706
<u>EXPOSED DATA</u>		
Area (Theo) Ft ²	1812.2205	2.97250
Span, (Theo) In. BP108	736.6816	29.83560
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
Chords		
Root BP108	570.6230	23.11023
Tip 1.00 $\frac{b}{2}$	137.8512	5.58297
MAC	354.2376	14.34662
Fus. Sta. of .25 MAC	1164.237	47.15160
W.P. of .25 MAC	292.00	11.82600
B.L. of .25 MAC	239.67786	9.70695
Airfoil Section (Rockwell Mod NASA)		
XXXX-64		
Root $\frac{b}{2}$ = 0.425	0.113	0.113
Tip $\frac{b}{2}$ = 1.00	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff $\frac{2}{2}$		
Planform Area Ft ²	118.333	0.19409
Leading Edge Intersects Fus M. L. 0 Sta	505.0	20.45250
Leading Edge Intersects Wing 0 Sta	1003.5	40.64175

TABLE III. (Concluded)

MODEL COMPONENT: Transition Grit X₉

GENERAL DESCRIPTION: .0077 In. nominal diameter grit located 0.1 in. wide, 0.1 in. aft streamwise from leading edge on all swept surfaces and .0054 in. nominal diameter grit locate 0.1 in. wide, 1.0 in. aft of nose

DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	_____	_____
Max. Width	_____	_____
Max. Depth	_____	_____
Fineness Ratio	_____	_____
Area		
Max. Cross-Sectional	_____	_____
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____

Table IV Pressure Bug Location

TUBE NO.	I.D. NO. 1		
	FUS. STA.	ϕ	LOC. NO.
1	235	0	F1
2	245	0	F2
3			
4			
5			
6	245	90	F3
7			
8			
9	245	180	F159
10	n	X/C	
11	.25	0	N1
12			
13	.75	0	N2
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

NOTES:

- (1) I.D. NO. REFERS TO PRESSURE BUG CONFIGURATION (SEE TABLE II FOR RUN NUMBERS AND TEST CONDITIONS)
- (2) LOCATION NO. INDICATES COMPONENT ON WHICH A SPECIFIC BUG IS LOCATED:

F = FUSELAGE (LEFT SIDE UNLESS OTHERWISE NOTED)

W = WING

M = LEFT MAIN GEAR DOOR

N = LEFT NOSE GEAR DOOR

V = VERTICAL TAIL

I = INSIDE

O = OUTSIDE

L = LEFT

R = RIGHT

T = TOP

B = BOTTOM

- (3) NO PRESSURES RECORDED ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 2				I.D. NO. 3				I.D. NO. 4			
TUBE NO.	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	265	0	F4		295	0	F13		325	0	F22
2	↑	20	F5		↑	20	F14		↑	20	F23
3		40	F6			40	F15			40	F24
4		55	F7			55	F16			55	F25
5		70	F8			70	F17			70	F26
6		90	F9			90	F18			90	F27
7	↓	120	F10		↓	120	F19		↓	120	F28
8		150	F11			150	F20			150	F29
9	265	180	F12		295	180	F21		325	180	F30
10	η	X/C			η	X/C			η	X/C	
11	.25	.05I	NI3		.25	.20I	NI5		.25	.30I	NI7
12	.25	.05Ø	NØ3		.25	.20Ø	NØ5		.25	.30Ø	NØ7
13	.75	.05I	NI4		.75	.20I	NI6		.75	.30I	NI8
14	.75	.05Ø	NØ4		.75	.20Ø	NØ6		.75	.30Ø	NØ8
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 5				I.D. NO. 6				I.D. NO. 7			
TUBE NO.	FUS. STA.	Ø	LOC. NO.		FUS. STA.	Ø	LOC. NO.		FUS. STA.	Ø	LOC. NO.
1	380	0	F31		425	0	F40				
2	↑	20	F32		↑	20	F41				
3		40	F33			40	F42				
4		55	F34			55	F43				
5		70	F35			70	F44				
6		90	F36			90	F45				
7		120	F37			120	F46				
8	↓	150	F38		↓	150	F47		450	165	F49
9	380	180	F39		425	180	F48		450	180	F50
10	η	X/C			η	X/C			η	X/C	
11	.25	.50I	NI 9		.25	.70I	NI 11		.25	.90I	NI 13
12	.25	.50Ø	NØ 9		.25	.70Ø	NØ 11		.25	.90Ø	NØ 13
13	.75	.50I	NI 10		.75	.70I	NI 12		.75	.90I	NI 14
14	.75	.50Ø	NØ 10		.75	.70Ø	NØ 12		.75	.90Ø	NØ 14
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 8				I.D. NO. 9				I.D. NO. 10			
TUBE NO.	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	475	0	F51						540	0	F61
2	↑	20	F52						↑	20	F62
3		40	F53							40	F63
4		55	F54							55	F64
5		70	F55							70	F65
6		90	F56							90	F66
7	↓	120	F57						↓	120	F67
8		150	F58		500	158	F60			150	F68
9		180	F59							180	F69
10											
	r	X/C			η	X/C			η	X/C	
11	.25	0.0	M 1		.25	.05I	MI 3		.25	.20I	MI 6
12	.25	1.00	N 15		.25	.05Ø	MØ 3		.25	.20Ø	MØ 6
13	.75	1.00	N 16		.50	.05I	MI 4		.50	.20I	MI 7
14					.50	.05Ø	MØ 4		.50	.20Ø	MØ 7
15	.75	0.0	M 2		.75	.05I	MI 5		.75	.20I	MI 8
16					.75	.05Ø	MØ 5		.75	.20Ø	MØ 8
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 11				I.D. NO. 12				I.D. NO. 13		
	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	625	0	F70		725	0	F77		880	0	F84
2											
3	625	40	F71		725	40	F78		880	40	F85
4											
5	625	70	F72		725	70	F79		880	70	F86
6		90	F73			90	F80			90	F87
7	↑	120	F74		↑	120	F81		↑	120	F88
8	↓	150	F75		↓	150	F82		↓	150	F89
9	625	180	F76		725	180	F83		880	180	F90
10											
	η	X/C			η	X/C			η	X/C	
11	.25	.30I	MI 9		.25	.50I	MI 12		.25	.70I	MI 15
12	.25	.30Ø	MØ 9		.25	.50Ø	MØ 12		.25	.70Ø	MØ 15
13	.50	.30I	MI 10		.50	.50I	MI 13		.50	.70I	MI 16
14	.50	.30Ø	MØ 10		.50	.50Ø	MØ 13		.50	.70Ø	MØ 16
15	.75	.30I	MI 11		.75	.50I	MI 14		.75	.70I	MI 17
16	.75	.30Ø	MØ 11		.75	.50Ø	MØ 14		.75	.70Ø	MØ 17
17	.299	0	RW 1		.299	.088T	RW 2T		.299	.222T	RW 3T
18					.299	.088B	RW 2B		.299	.222B	RW 3B
19									.299	.358T	LW17T
20									.299	.358B	LW17B
21	.405	0	LW 7		.405	.020T	LW12T		.405	.052 T	LW18T
22					.405	.020B	LW12B		.405	.052B	LW18B
23	.534	0	LW 8		.534	.020T	LW13T		.534	.05 T	LW19T
24					.534	.020B	LW13B		.534	.05 B	LW19B
25	.673	0	LW 9		.673	.020T	LW14T		.673	.05 T	LW20T
26					.673	.020B	LW14B		.673	.05 B	LW20B
27	.780	0	LW10		.780	.020T	LW15T		.780	.05 T	LW21T
28					.780	.020B	LW15B		.780	.05 B	LW21B
29	.887	0	LW11		.887	.020T	LW16T		.887	.05T	LW22T
30					.887	.020B	LW16B		.887	.05 B	LW22B

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 14				I.D. NO. 15				I.D. NO. 16			
TUBE NO.	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	980	0	F91		1080	0	F93		1180	0	F100
2											
3	980	40	F92		1080	40	F94		1180	40	F101
4											
5					1080	70	F95		1180	70	F102
6					↑	90	F96		↑	90	F103
7					↓	120	F97		↓	120	F104
8						150	F98			150	F105
9					1080	180	F99		1180	180	F106
10	η	X/C		10	η	X/C			η	X/C	
11	.25	.90I	MI 18		.158	0	V 1		.158	.02L	LV 6
12	.25	.90Ø	MØ 18		.316	0	V 2		.316	.02L	V 7
13	.50	.90I	MI 19		.600	0	V 3		.600	.02 I	LV 8
14	.50	.90Ø	MØ 19		.840	0	V 4		.840	.02 I	LV 9
15	.75	.90I	MI 20		.75	1.00	M 22		.925	.02 I	LV 10
16	.75	.90Ø	MØ 20		.925	0	V 5				
17	.352	0	RW 4		.352	.080T	RW 5T		.352	.240T	RW 6T
18					.352	.080B	RW 5B		.352	.240B	RW 6B
19					.299	.492T	LW28T				
20					.299	.492B	LW28B				
21	.405	.195T	LW23T						.405	.431T	LW33T
22	.405	.195B	LW23B						.405	.431B	LW33B
23	.534	.15 T	LW24T		.534	.25 T	LW29T		.534	.40T	LW34T
24	.534	.15 B	LW24B		.534	.25B	LW29B		.534	.40B	LW34B
25	.673	.15 T	LW25T		.673	.25	LW30T		.673	.40T	LW35T
26	.673	.15B	LW25B		.673	.25R	LW30B		.673	.40B	LW35B
27	.780	.15 T	LW26T		.780	.25T	LW31T				
28	.780	.15B	LW26B		.780	.25B	LW31B				
29	.887	.15T	LW27T		.887	.25T	LW32T		.887	.40T	LW36T
30	.887	.15B	LW27B		.887	.25B	LW32B		.887	.40B	LW36B

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 17				I.D. NO. 18				I.D. NO. 19		
	FUS. STA.	ϕ	LCC. NO.		FUS. STA.	ϕ	LCC. NO.		FUS. STA.	ϕ	LCC. NO.
1	1245	0	F107		1300	0	F117		1375	0	F126
2	↑	40	F108		↑	40	F118		↑	40	F127
3		70	F109			70	F119			70	F128
4		90	F110			90	F120			90	F129
5		105	F111			105	F121			105	F130
6		120	F112			120	F122			120	F131
7		135	F113			135	F123			135	F132
8		150	F114			150	F124			150	F133
9	↓	165	F115		↓	165	F125		↓	165	F134
10		180	F116								
	η	X/C			η	X/C			η	X/C	
11	.158	.05L	LV11		.158	.15L	LV16		.158	.30L	LV 21
12	.316	.05L	LV12		.316	.15L	LV17		.316	.30L	LV 22
13	.600	.05L	LV13		.600	.15L	LV18		.600	.30L	LV 23
14	.840	.05L	LV14		.840	.15L	LV19		.840	.30L	LV 24
15	.925	.05L	LV15		.925	.15L	LV20		.925	.30L	LV25
16											
17											
18											
19	.299	.695T	LW37T		.299	.831T	LW43T		.299	.864T	LW49T
20	.299	.695B	LW37B		.299	.831B	LW43B		.299	.864B	LW49B
21	.405	.574T	LW38T		.405	.763T	LW44T		.405	.81 T	LW50T
22	.405	.574B	LW38B		.405	.763B	LW44B		.405	.81 B	LW50B
23	.534	.55 T	LW39T		.534	.725T	LW45T		.534	.775T	LW51T
24	.534	.55 B	LW39B		.534	.725B	LW45B		.534	.775B	LW51B
25	.673	.55T	LW40T		.673	.70T	LW46T		.673	.775T	LW52T
26	.673	.55B	LW40B		.673	.70B	LW46B		.673	.775B	LW52B
27	.780	.65T	LW41T		.780	.75T	LW47T				
28	.780	.65B	LW41B		.780	.75 B	LW47B				
29	.887	.60T	LW42T		.887	.75 T	LW48T				
30	.887	.60B	LW42B		.887	.75 B	LW48B				

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 20				I.D. NO. 21				I.D. NO. 22			
TUBE NO.	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	1430	0	F135		1480	0	F144		1530	1100	F153
2	↑	40	F136		↑	40	F145		↑	1101	F154
3		70	F137			70	F146			1200	F155
4		90	F138			90	F147		1530	1201	F156
5		105	F139			105	F148		1580	0	F157
6		120	F140			120	F149		1580	40	F158
7		135	F141		↓	135	F150				
8		150	F142			150	F151				
9	1430	165	F143		1480	165	F152				
10	η	X/C			η	X/C			η	X/C	
11	.158	.52L	LV 26		.158	.65L	LV 31		.158	.775L	LV 36
12	.316	.52L	LV 27		.316	.65L	LV 32		.316	.775L	LV 37
13	.600	.52L	LV 28		.600	.65L	LV 33		.600	.775L	LV 38
14	.840	.52L	LV 29		.840	.65L	LV 34		.840	.775L	LV 39
15	.925	.52L	LV 30		.925	.65L	LV 35		.925	.775L	LV 40
16											
17											
18											
19	.299	.898T	LW53T		.405	.905T	LW58T		.299	.966T	LW61T
20	.299	.898B	LW53B		.405	.905B	LW58B		.299	.966B	LW61B
21	.405	.858T	LW54T		.534	.90 T	LW59T		.405	.952T	LW62T
22	.405	.858B	LW54B		.534	.90 B	LW59B		.405	.952B	LW62B
23	.534	.85 T	LW55T						.534	.95 T	LW63T
24	.534	.85 B	LW55B						.534	.95 B	LW63B
25	.673	.85 T	LW56T						.673	.95 T	LW64T
26	.673	.85 B	LW56B						.673	.95B	LW64B
27	.780	.85 T	LW57T						.780	.95 T	LW65T
28	.780	.85 B	LW57B						.780	.95 B	LW65B
29					.887	.90 T	LW60T				
30					.887	.90 B	LW60B				

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV Pressure Bug Location

TUBE NO.	I.D. NO. 23			I.D. NO. 24			I.D. NO. 25		
			LOC. NO.			LOC. NO.	η	X/C	LOC. NO.
1							.299	.831 T	LW43T
2							.405	.763 T	LW44T
	FUS. STA.	ϕ		FUS. STA.	ϕ		FUS. STA.	ϕ	
3							1245	90	F 110
4							↑	105	F 111
5								120	F 112
6								135	F 113
7							↓	150	F 114
8								165	F 115
9							1245	180	F 116
10	η	X/C		η	X/C		η	X/C	
11	.158	0	V 1	.158	.02 L	LV 6	.158	.05 L	LV 11
12	.316	0	V 2	.316	.02 L	LV 7	.316	.05 L	LV 12
13	.600	0	V 3	.600	.02 L	LV 8	.600	.05 L	LV 13
14	.840	0	V 4	.840	.02 L	LV 9	.840	.05 L	LV 14
15	.925	0	V 5	.925	.02 L	LV 10	.925	.05 L	LV 15
16									
17				.158	.02 R	RV 6	.158	.05 R	RV 11
18				.316	.02 R	RV 7	.316	.05 R	RV 12
19				.600	.02 R	RV 8	.600	.05 R	RV 13
20				.840	.02 R	RV 9	.840	.05 R	RV 14
21				.925	.02 R	RV 10	.925	.05 R	RV 15
							FUS. STA.	ϕ	
22							1245	90	RF 1
23							↑	105	RF 2
24								120	RF 3
25								135	RF 4
26							↓	150	RF 5
27							1245	165	RF 6
	η	X/C					η	X/C	
28	.299						.299	.831 T	RW 7T
29	.405						.405	.763 T	RW 8T
30									

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 26			I.D. NO. 27			I.D. NO. 28		
	η	X/C	LOC. NO.	η	X/C	LOC. NO.	η	X/C	LOC. NO.
1	.299	.864 T	LW49T	.299	.898 T	LW53 T	.299	.966 T	LW61 T
2	.405	.810 T	LW50T	.405	.858 T	LW54T	.405	.905 T	LW58T
3	FUS. STA.	ϕ		FUS. STA.	ϕ		FUS. STA.	ϕ	
4	1300	90	F120	1375	90	F 129	1430	90	F 138
5	↑	105	F121	↑	105	F 130	↑	105	F 139
6	↓	120	F122	↓	120	F 131	↓	120	F 140
7		135	F123		135	F 132		135	F 141
8		150	F124		150	F 133		150	F 142
9	1300	165	F125	1375	165	F 134	1430	165	F 143
10	η	X/C		η	X/C		η	X/C	
11	.158	.15 L	LV 16	.158	.30 L	LV 21	.158	.52 L	LV 26
12	.316	.15 L	LV 17	.316	.30 L	LV 22	.316	.52 L	LV 27
13	.600	.15 L	LV 18	.600	.30 L	LV 23	.600	.52 L	LV 28
14	.840	.15 L	LV 19	.840	.30 L	LV 24	.840	.52 L	LV 29
15	.925	.15 L	LV 20	.925	.30 L	LV 25	.925	.52 L	LV 30
16									
17	.158	.15 R	RV 16	.158	.30 R	RV 21	.158	.52 R	RV 26
18	.316	.15 R	RV 17	.316	.30 R	RV 22	.316	.52 R	RV 27
19	.600	.15 R	RV 18	.600	.30 R	RV 23	.600	.52 R	RV 28
20	.840	.15 R	RV 19	.840	.30 R	RV 24	.840	.52 R	RV 29
21	.925	.15 R	RV 20	.925	.30 R	RV 25	.925	.52 R	RV 30
	FUS. STA.	ϕ		FUS. STA.	ϕ		FUS. STA.	ϕ	
22	1300	90	RF 7	1375	90	RF 13	1430	90	RF 19
23	↑	105	RF 8	↑	105	RF 14	↑	105	RF 20
24	↓	120	RF 9	↓	120	RF 15	↓	120	RF 21
25		135	RF 10		135	RF 16		135	RF 22
26		150	RF 11		150	RF 17		150	RF 23
27	1300	165	RF 12	1375	165	RF 18	1430	165	RF 24
	η	X/C		η	X/C		η	X/C	
28	.299	.864 T	RW 9T	.299	.898 T	RW 11T	.299	.966 T	RW 13T
29	.405	.810 T	RW 10T	.405	.854 T	RW 12 T	.405	.905 T	RW 14T
30									

NOTE: NO PRESSURES RECORDED ON
TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 29			I.D. NO. 30		
	η	X/C	LOC. NO.	η	X/C	LOC. NO.
2	.405	.952 T	1W 62T			
	FUS. STA.	ϕ		FUS. STA.	ϕ	
1				1530	110 ϕ	F 153
2				\updownarrow	110 I	F 154
3				\updownarrow	120 ϕ	F 155
4	1480	90	F 147	1530	120 I	F 156
5	\updownarrow	105	F 148	1580	0	F 157
6		120	F 149	1580	40	F 158
7		135	F 150			
8		150	F 151			
9	1480	165	F 152			
10						
11	η	X/C		η	X/C	
11	.158	.65 L	LV 31	.158	.775 L	LV 36
12	.316	.65 L	LV 32	.316	.775 L	LV 37
13	.600	.65 L	LV 33	.600	.775 L	LV 38
14	.840	.65 L	LV 34	.840	.775 L	LV 39
15	.925	.65 L	LV 35	.925	.775 L	LV 40
16						
17	.158	.65 R	RV 31	.158	.775 R	RV 36
18	.316	.65 R	RV 32	.316	.775 R	RV 37
19	.600	.65 R	RV 33	.600	.775 R	RV 38
20	.840	.65 R	RV 34	.840	.775 R	RV 39
21	.925	.65 R	RV 35	.925	.775 R	RV 40
	FUS. STA.	ϕ		FUS. STA.	ϕ	
22	1480	90	RF 25	1530	110 ϕ	RF 31
23	\updownarrow	105	RF 26	\updownarrow	110 I	RF 32
24		120	RF 27	\updownarrow	120 ϕ	RF 33
25		135	RF 28	1530	120 I	RF 34
26	\downarrow	150	RF 29			
27	1480	165	RF 30			
	η	X/C		η	X/C	
29	.405	.952 T	1W 15T			

NOTE: NO PRESSURES RECORDED ON TUBE NOS. NOT FILLED IN.

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

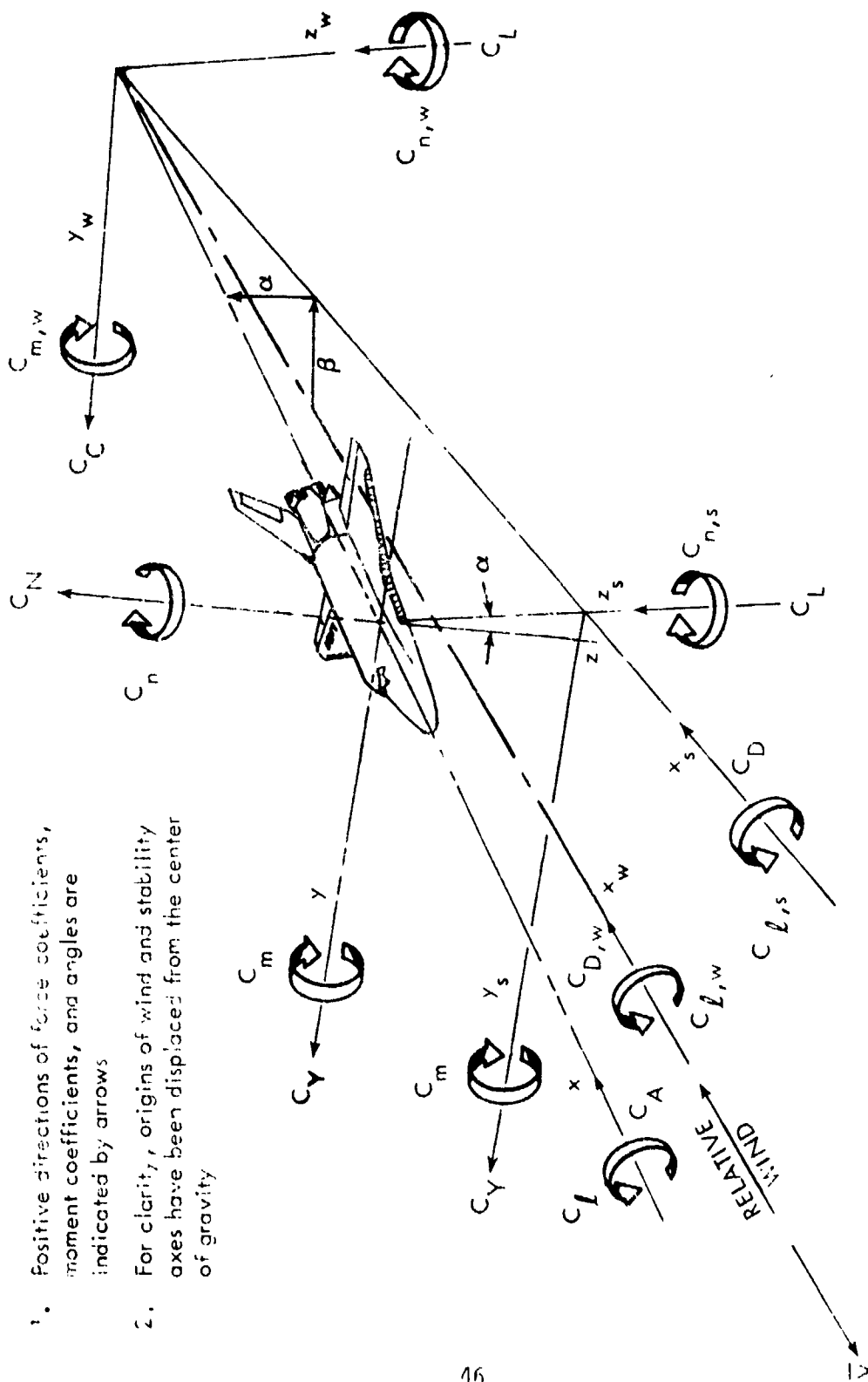
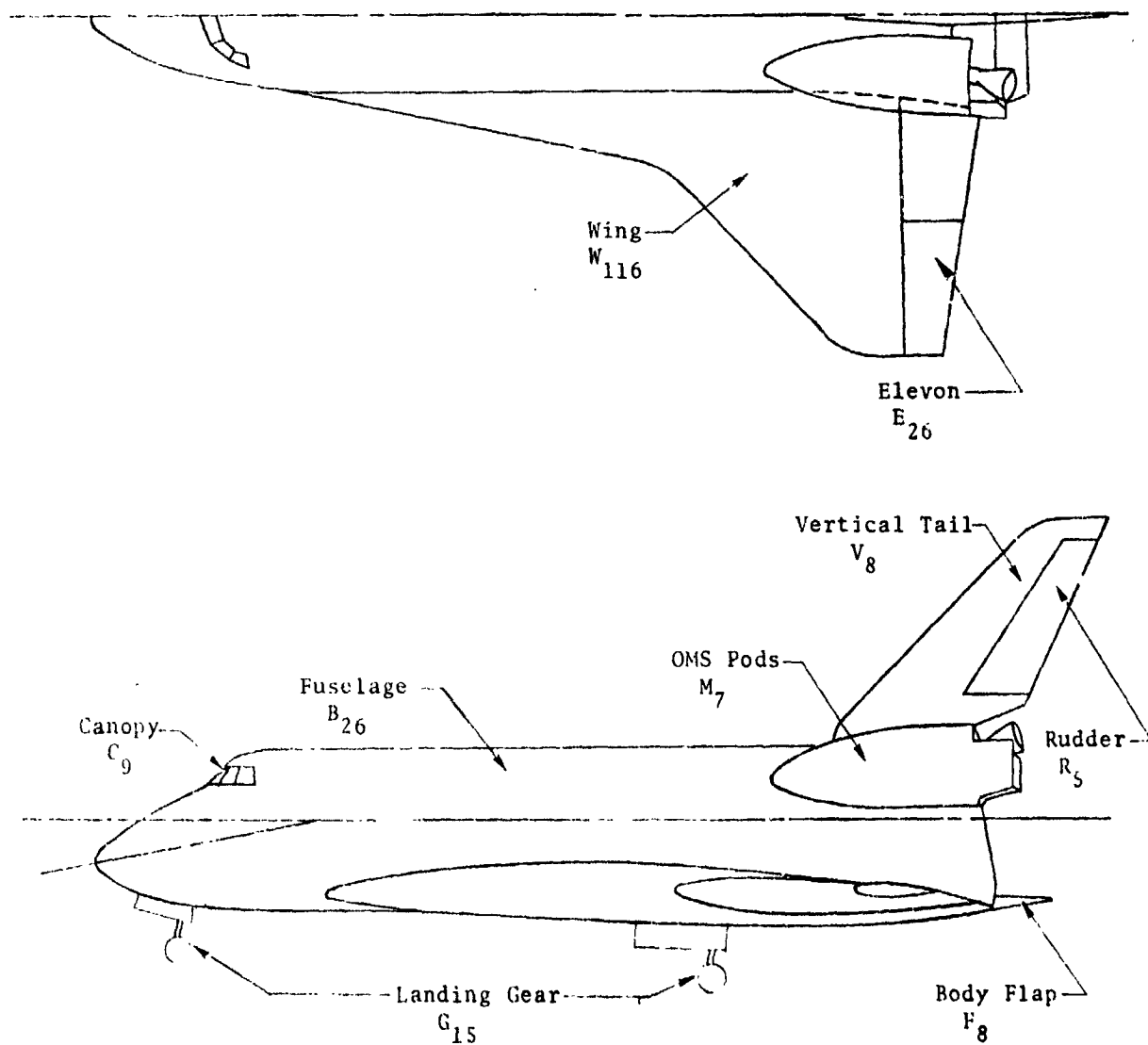
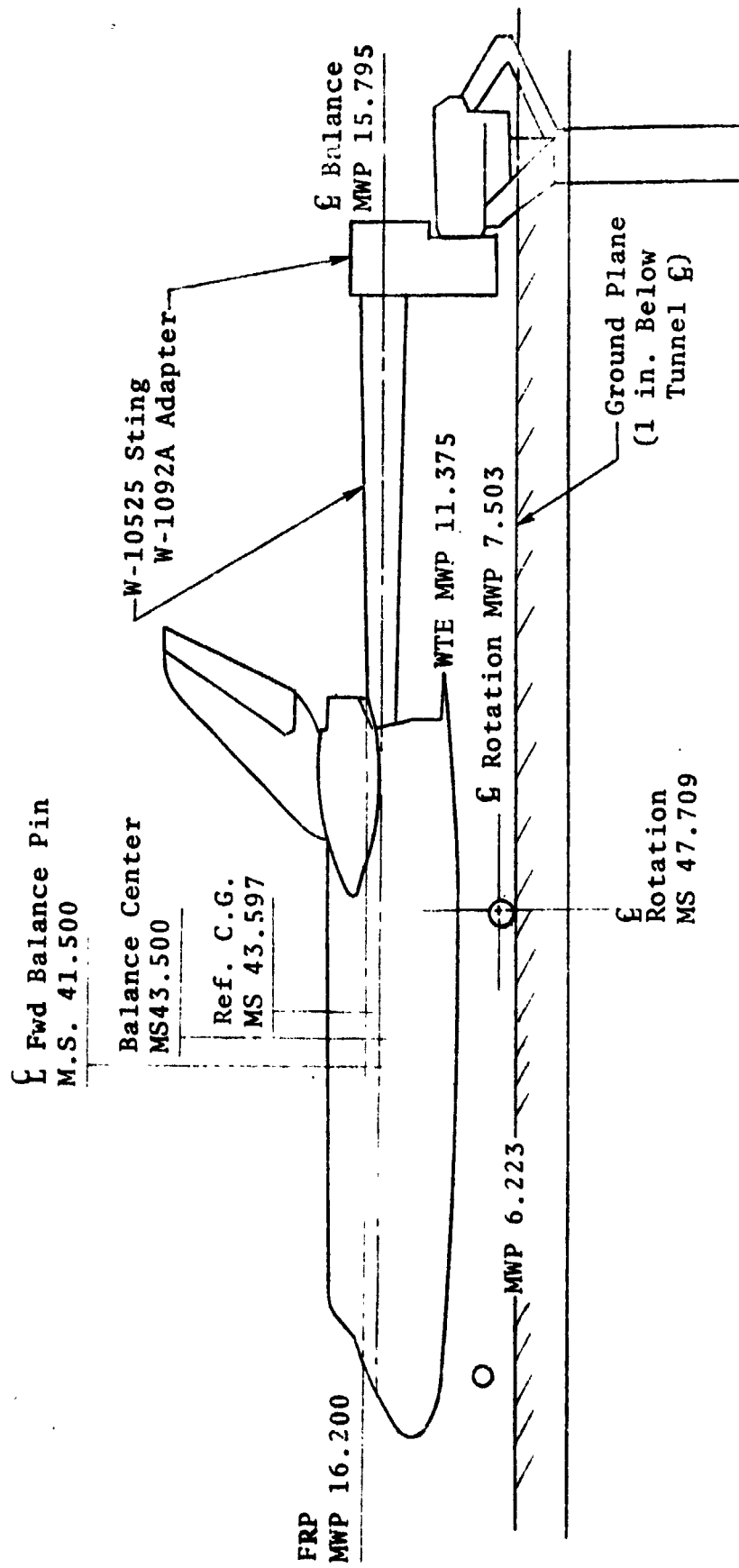


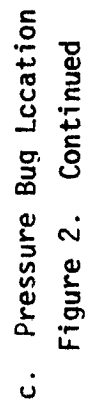
Figure 1. Axis Systems

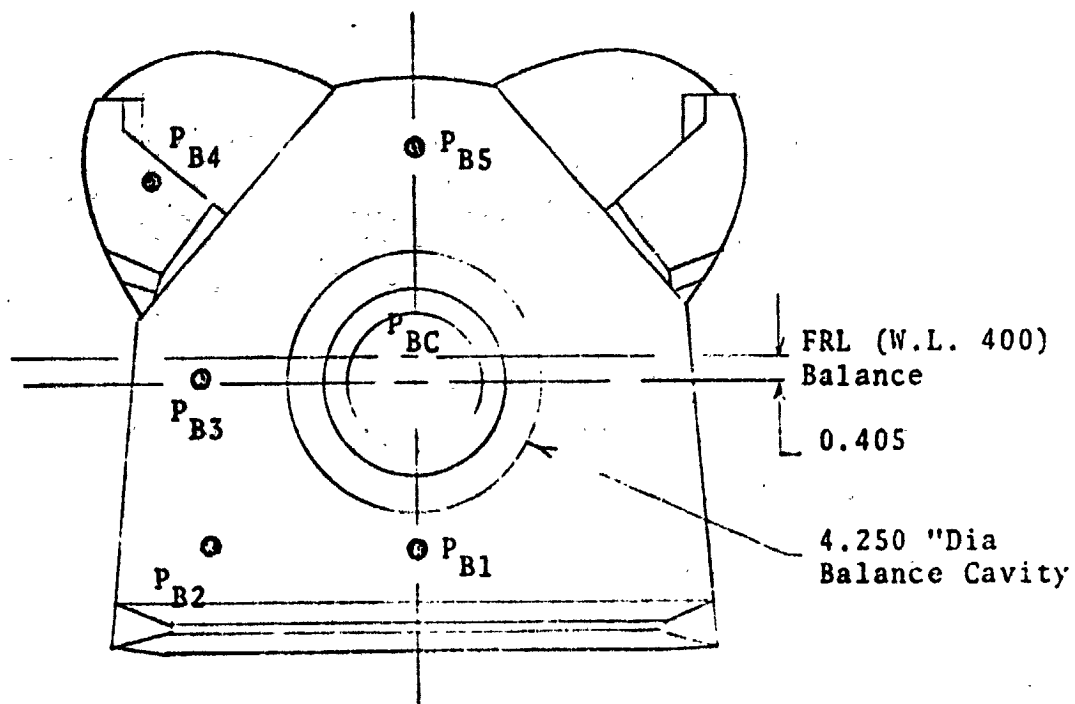


a. Model General Arrangement
Figure 2. Model Sketches

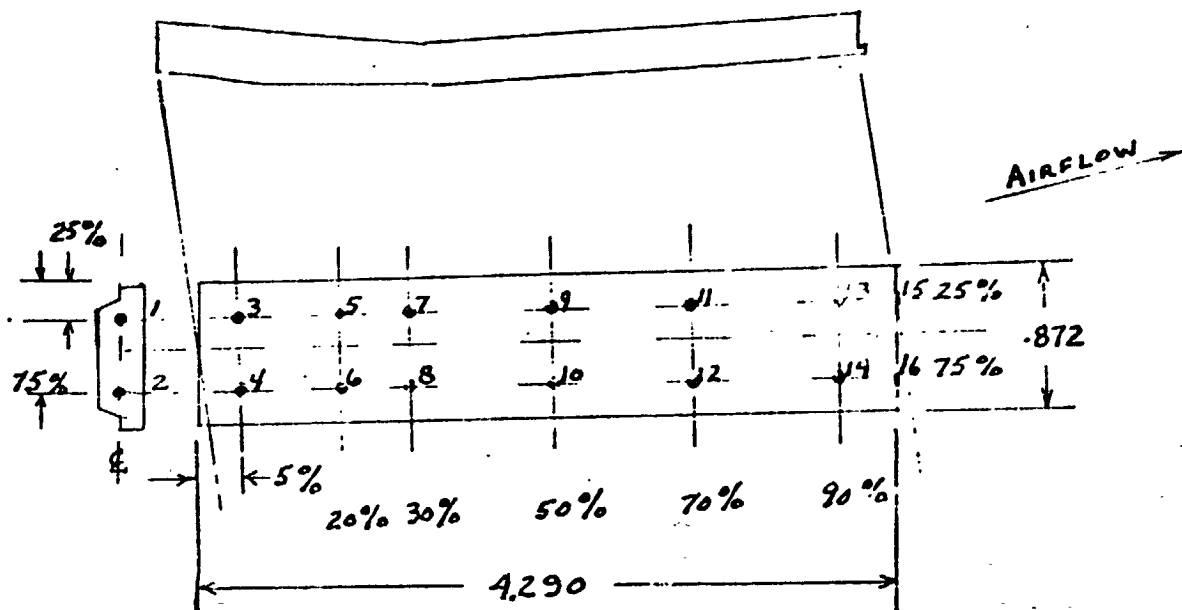


b. Model Installation
Figure 2. Continued

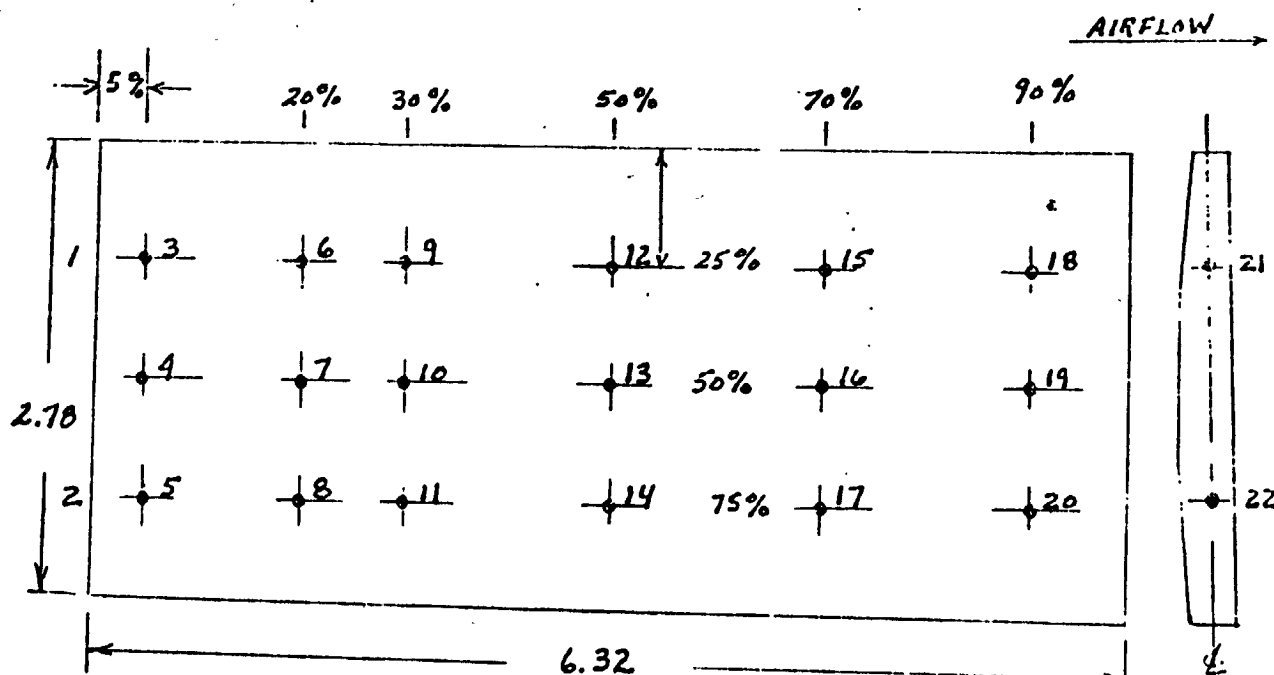




d. Model Base - View Fwd.
Figure 2 Continued



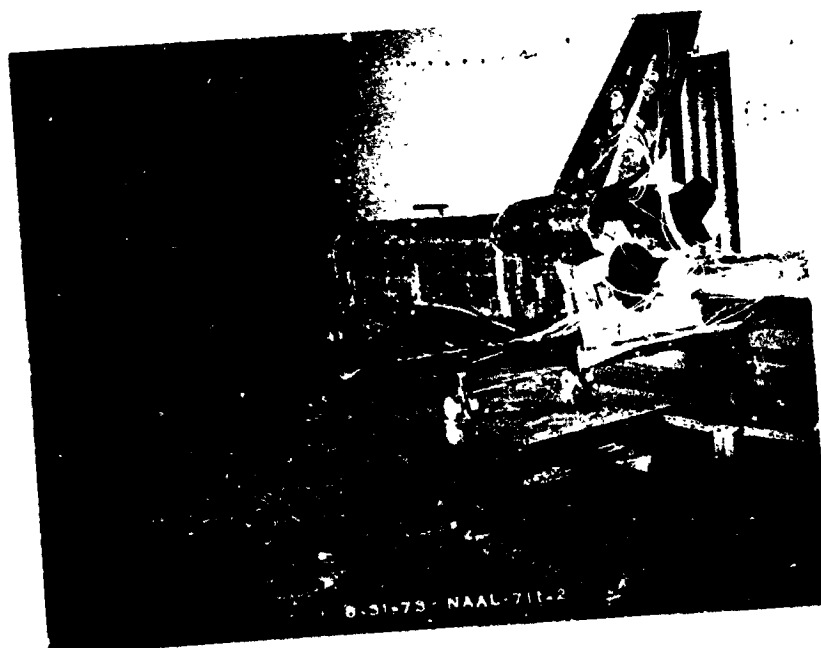
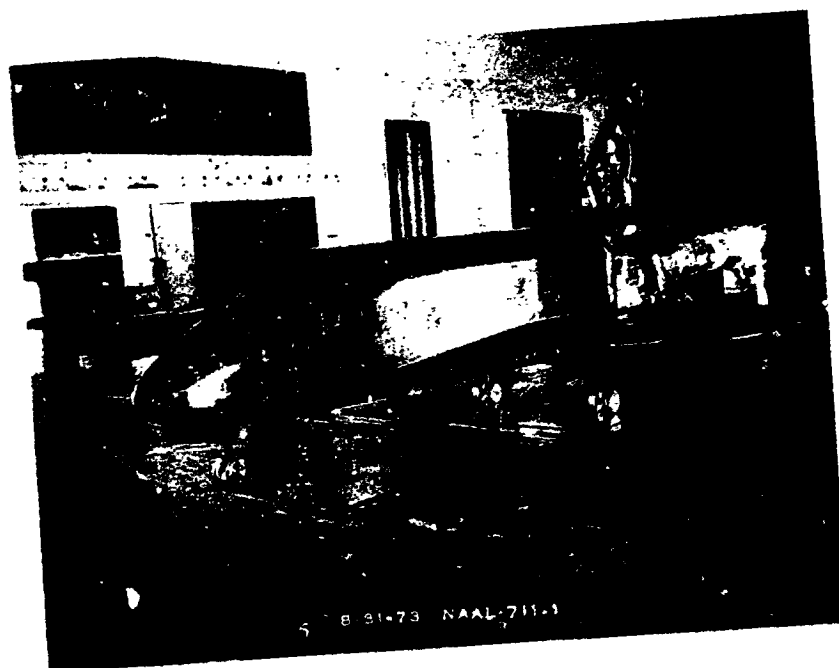
PRESSURE TAP LOCATIONS FOR NOSE LANDING GEAR DOOR
(L.H. shown)



PRESSURE TAP LOCATIONS FOR MAIN LANDING GEAR DOOR
(L.H. shown)

NOTES Taps shown on aft end of door; taps required on front also.
Taps shown on outside; taps required in inner side also.

e. Landing Gear Door Pressure Tap Locations
Figure 2 Concluded



BASIC CONFIGURATION $B_{26}C_{9E_{26}F_{8G_{15}M_{7R_{5V_{8W_{116}X_9}}$

Figure 3. Model Installation Photographs

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA FIGURES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(RDC189)	0A69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(RDC202)	0A69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(RDC203)	0A69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						YMRP 43.5974 INCHES
						ZMRP .0000 INCHES
						SCALE 16.2000 INCHES
						.0405

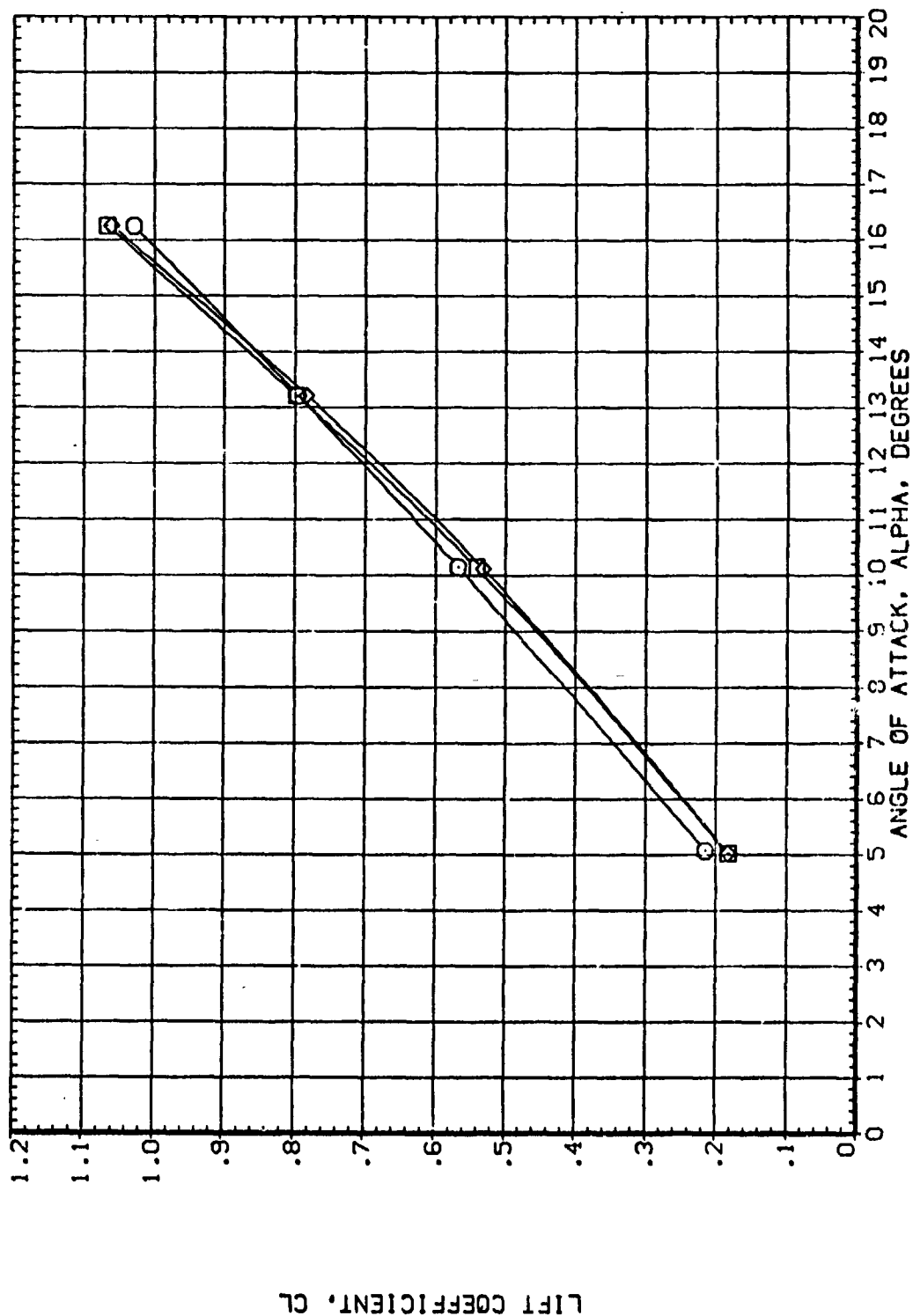


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDFLAP	ELEVON	RUDDER	REFERENCE INFORMATION	
(R00199)	0A69 B26C9G15H7F3 W116E26V8RSX9	-10.000	-14.250	.000	.000	SREF	4.4119 SO.FT.
(R00202)	0A69 B26C9 M7F1 W116E26V8RSX9	-10.000	-14.250	.000	.000	LREF	52.2570 INCHES
(R00203)	0A69 B26C9 M7FE W116E26V8RSX9	-5.000	-14.250	.000	.000	BREF	52.2570 INCHES
						XMRP	43.5974 INCHES
						YMRP	.0000 INCHES
						ZMRP	16.2000 INCHES
						SCALE	.0405

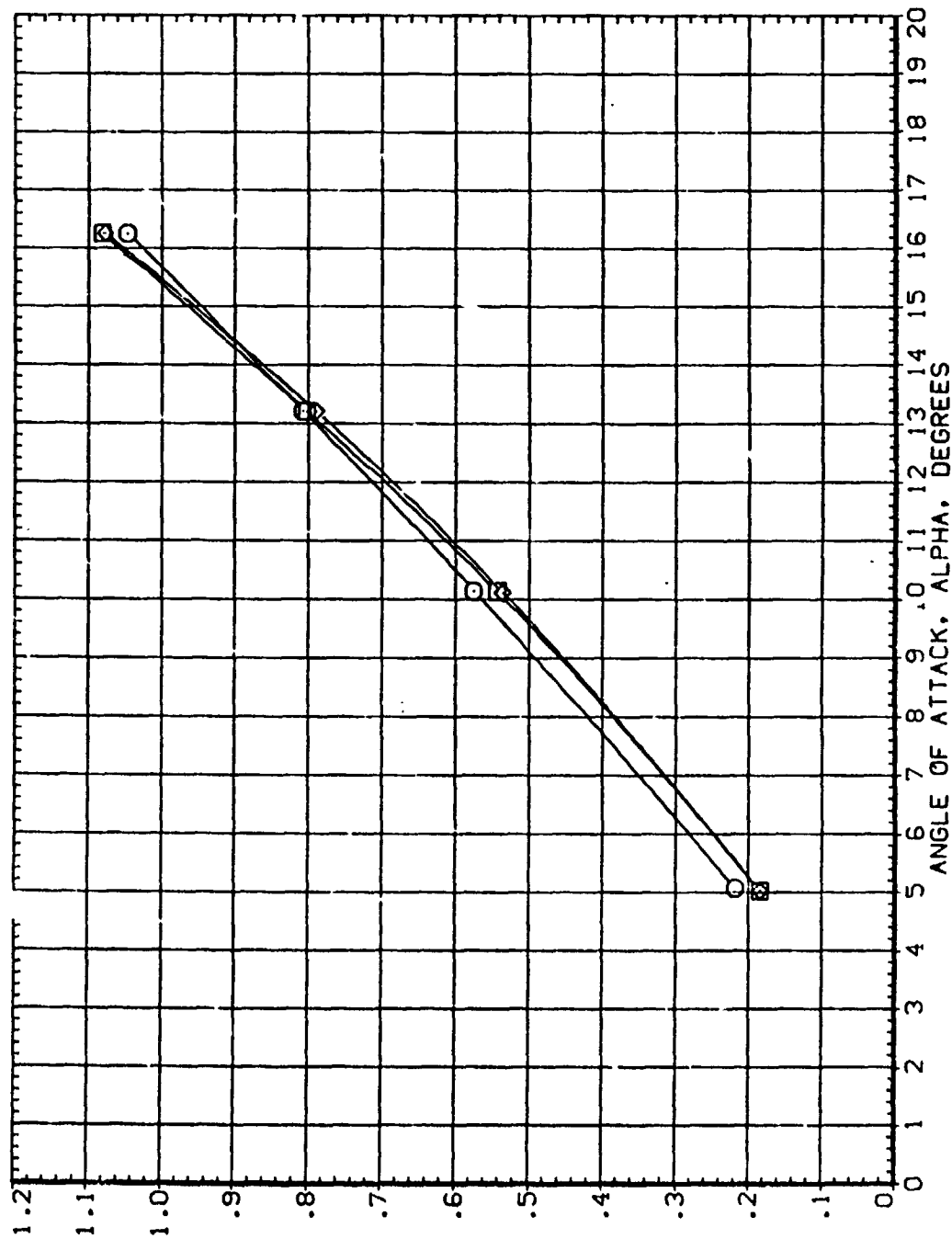


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
(A)MACH = .16 PAGE 2

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA	ELEVON	RUDDER	REFERENCE INFORMATION
(R00193)	0A69 B26C9 M7F8 W116E26V8RSX9	-10.000	-14.250	.000	.000	SREF 4.4119 SO.FT.
(R00202)	0A69 B26C9 M7F8 W116E26V8RSX9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7F8 W116E26V8RSX9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0465

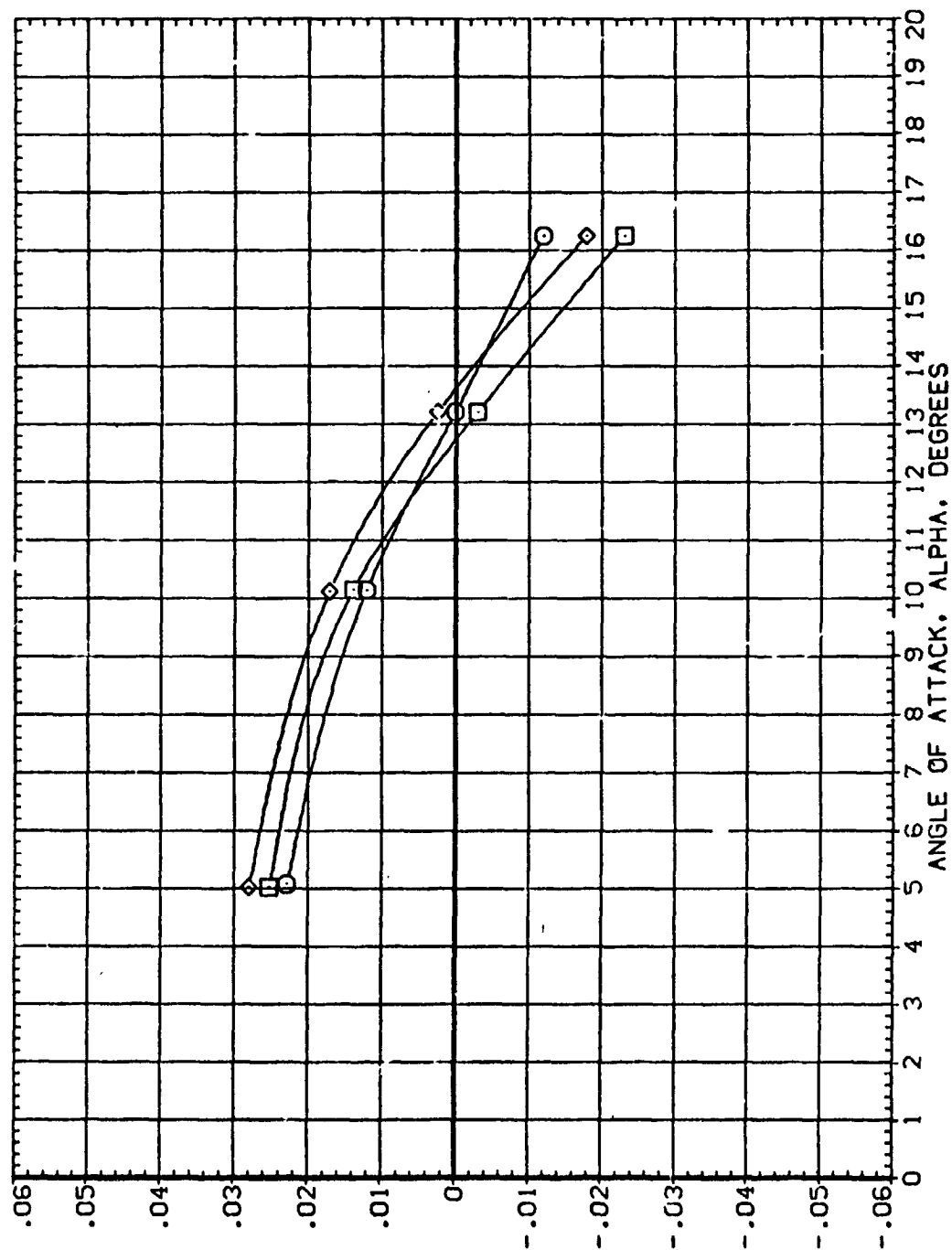


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

PAGE 3

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	0A69 B26C9G1M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	0A69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						YMRP 43.5874 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

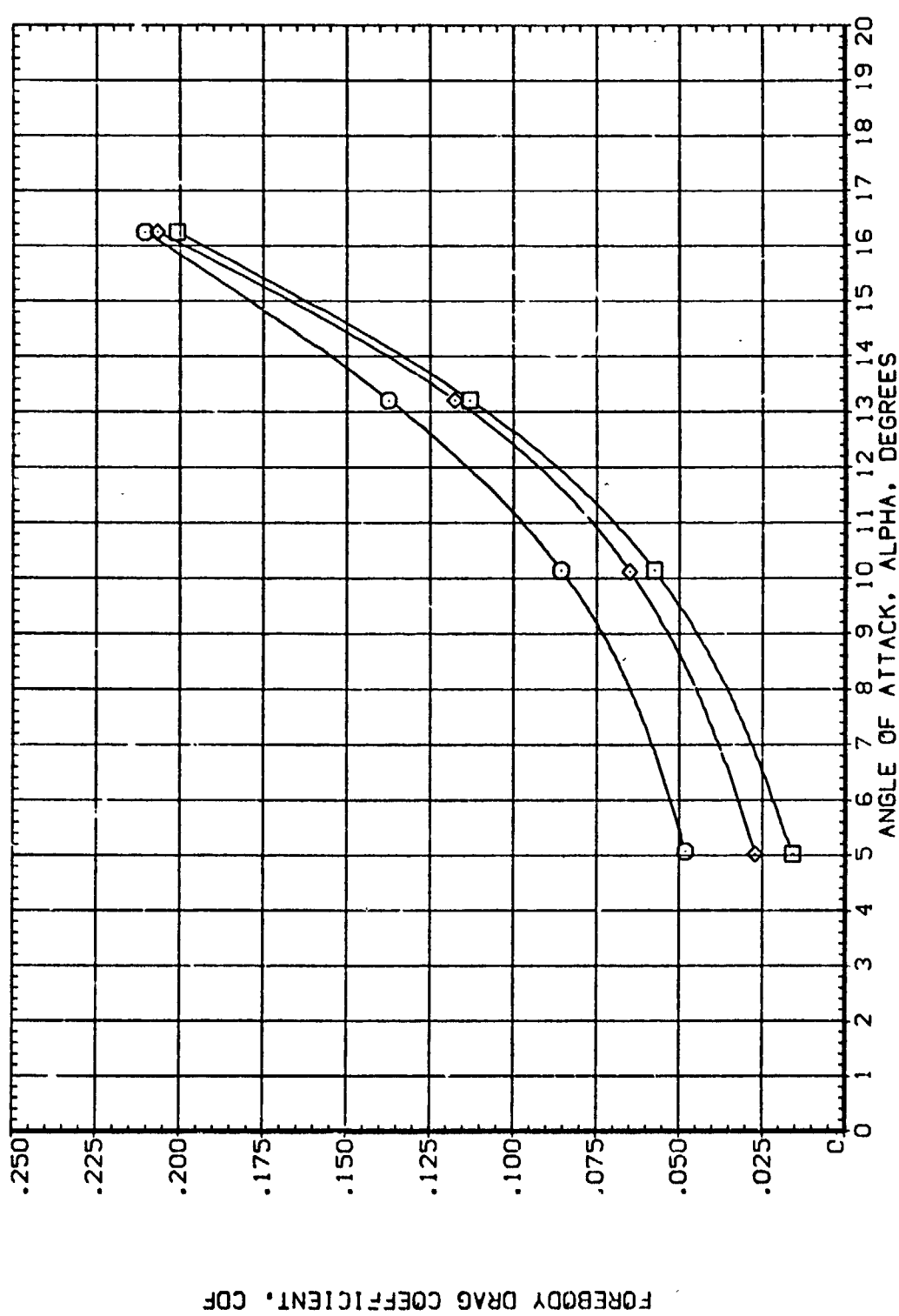


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
 (A)MACH = .16 PAGE 4

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	0A69 B26C951SH7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SO.FT.
(R00202)	0A69 B26C9 M7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7F8 W115E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

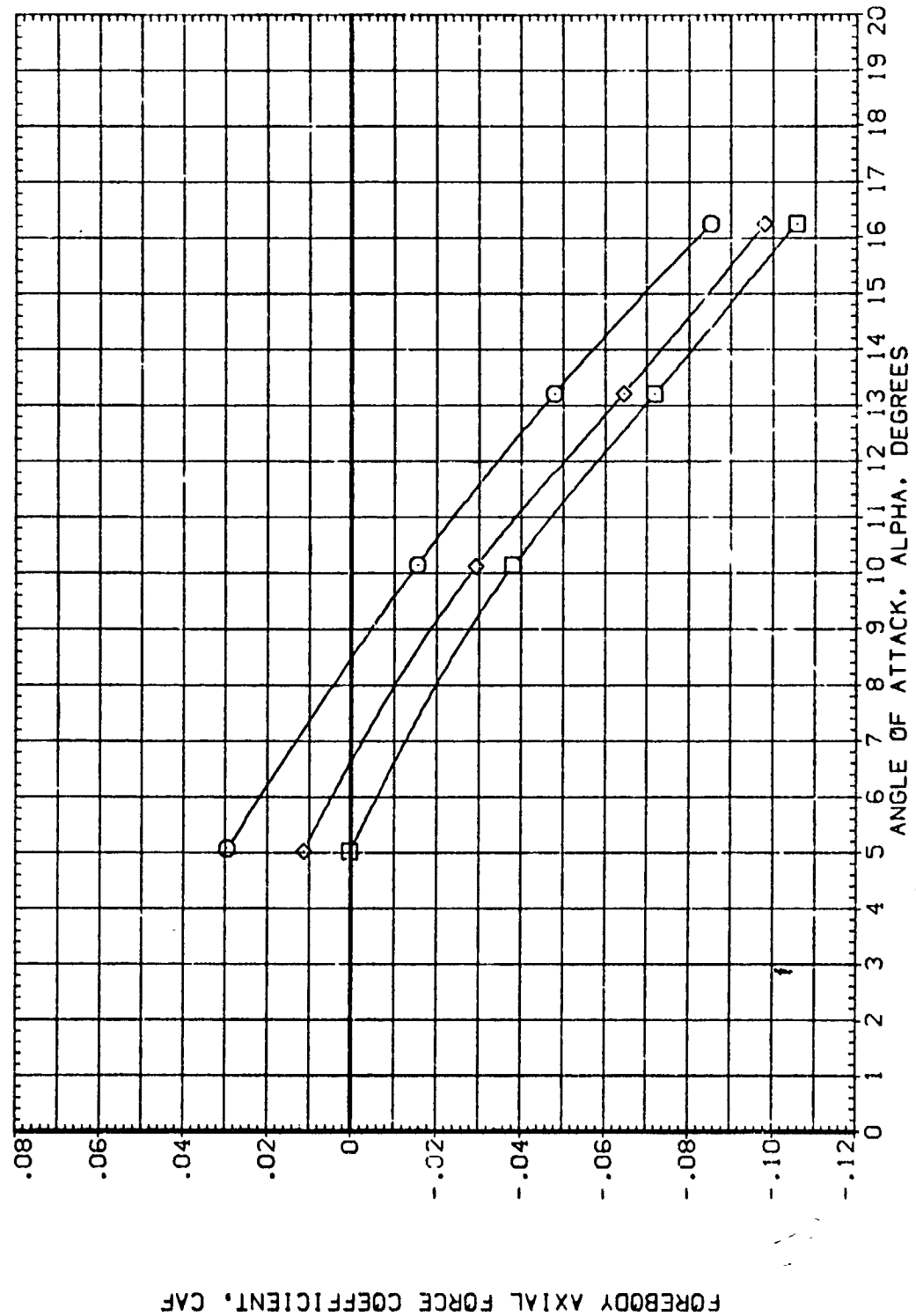


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	QA69 B26C9G1M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 INCHES
(P33202)	QA69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	QA69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XTRP 43.5374 INCHES
						THRP .0000 INCHES
						ZTRP 16.2000 INCHES
						SCALE .0405 INCHES

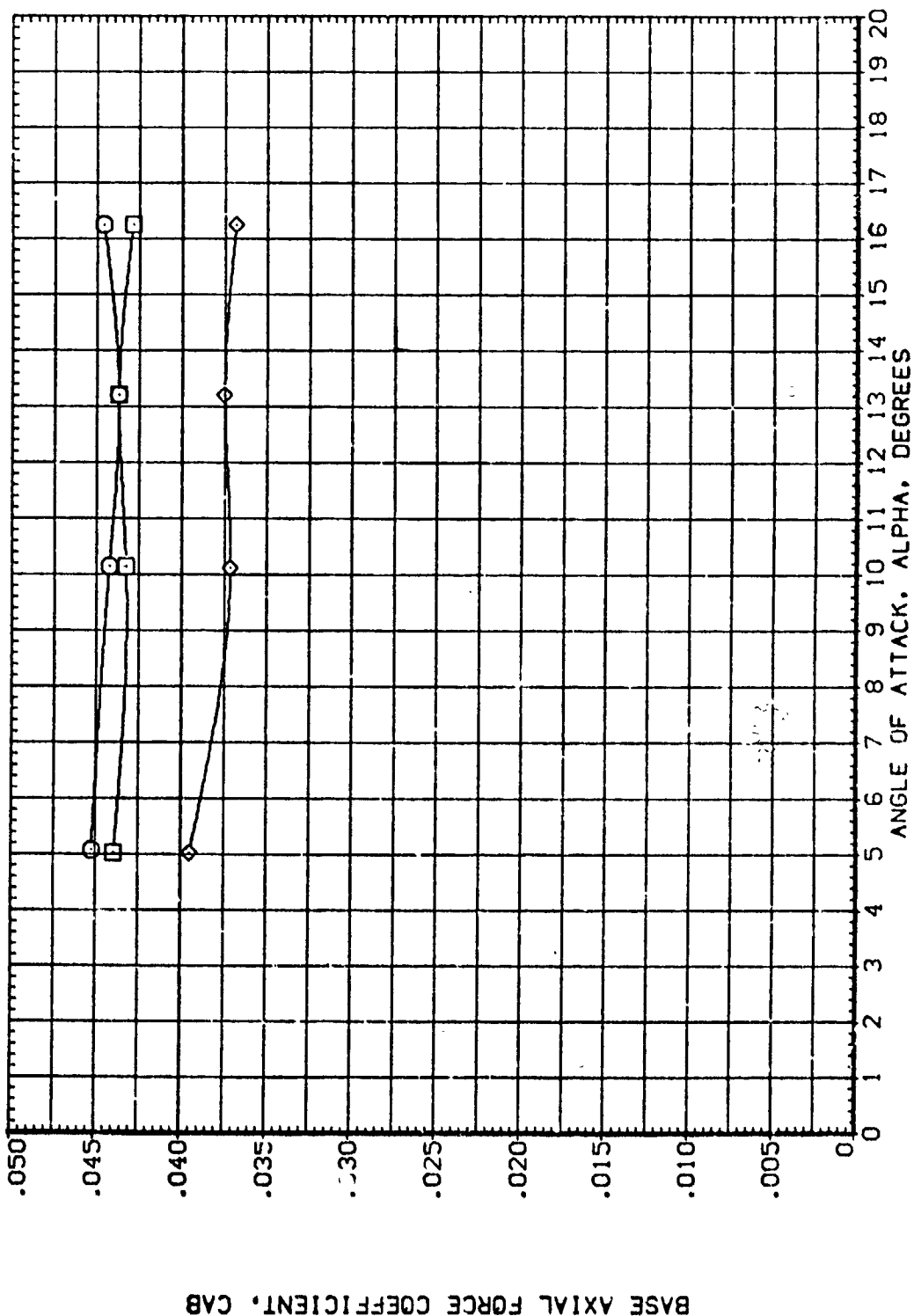


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	QAS9 B26C915M7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	QAS9 B26C9 M7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	QAS9 B26C9 M7F8 W115E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5971 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405 INCHES

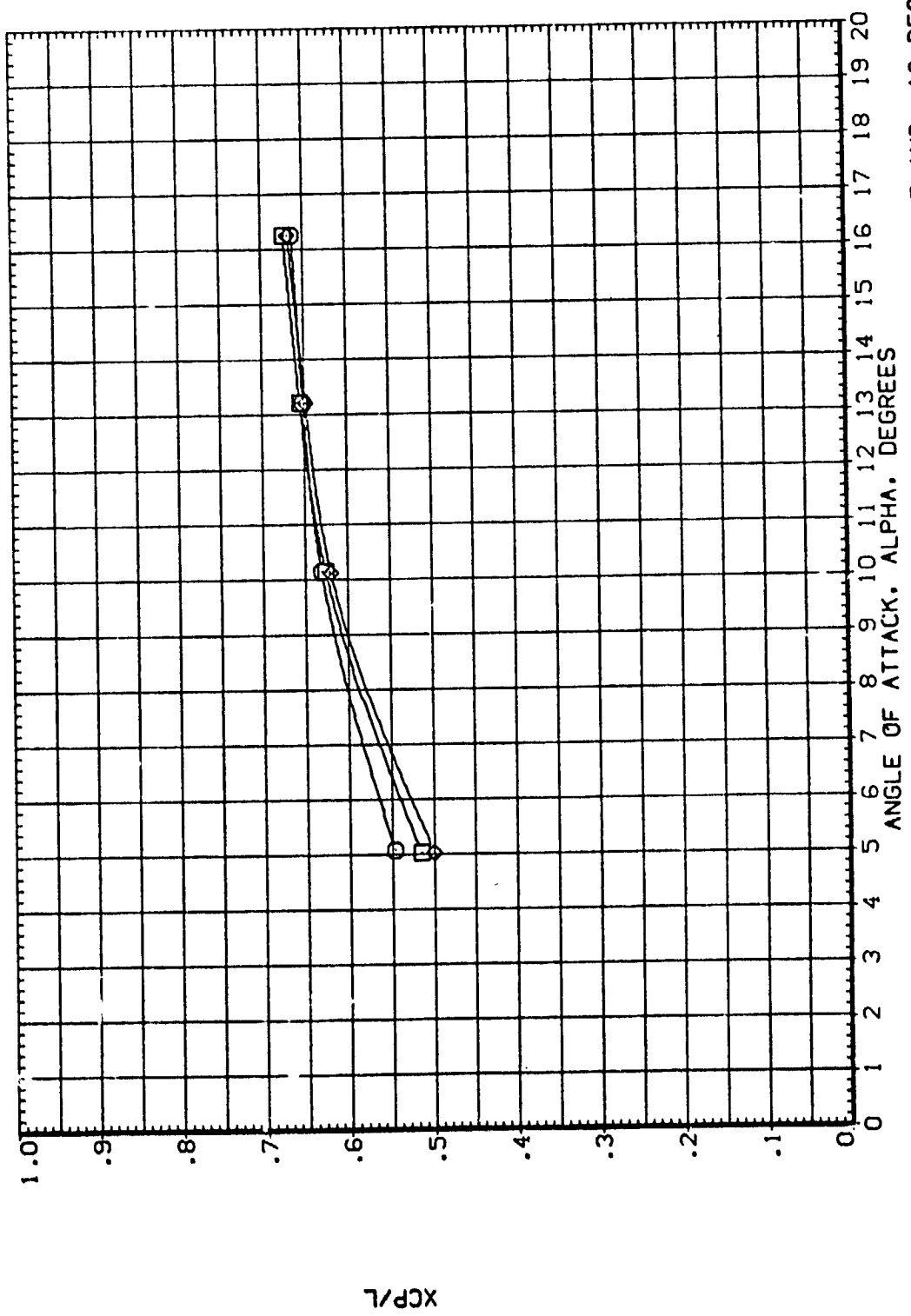


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
 (A)MACH = .16 PAGE 7

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R03199)	0A59 B26C9G15W7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R03202)	0A59 B26C3 W7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R03203)	0A59 B26C3 W7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405 SCALE

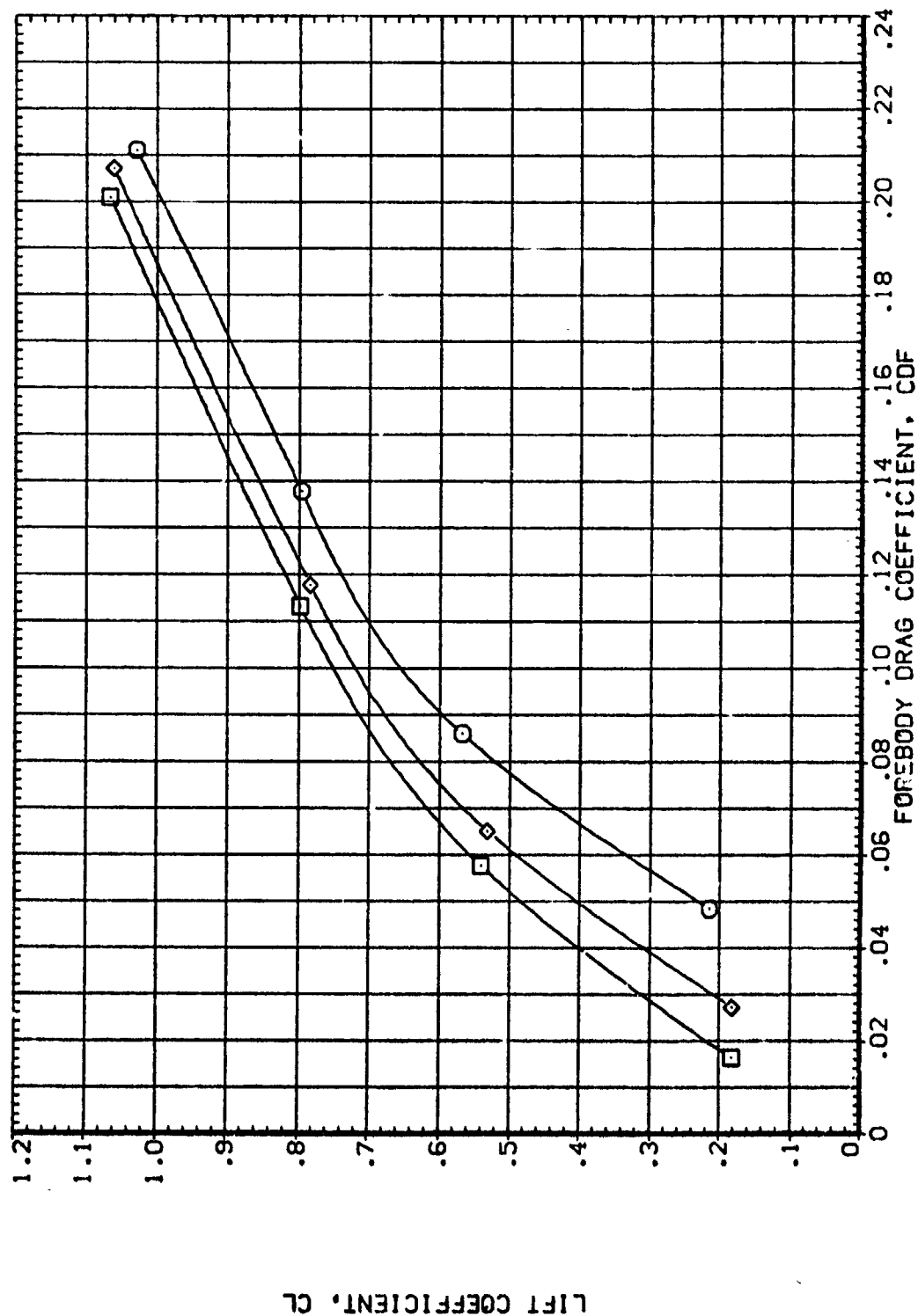


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	QAS9 B26C9G15W7F8 W116E26V8R5A9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	QAS9 B26C9 W7F8 W116E26V8R5A9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	QAS9 B26C9 W7F8 W116E26V8R5A9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

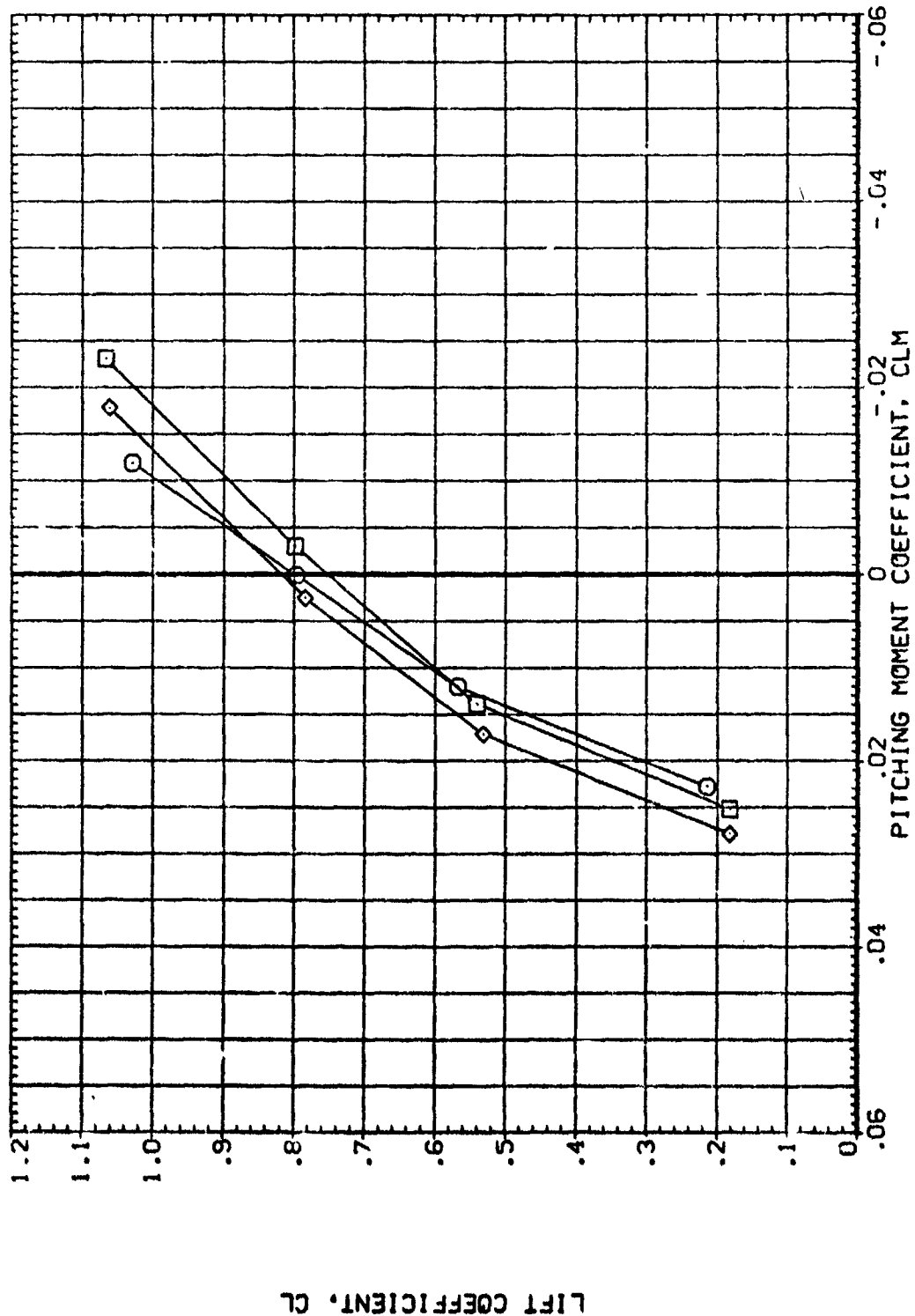


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
(A)MACH = .16 PAGE 9

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(800199)	0A59	B26C9	M7F8	W116E26V8R5X9
(800202)	0A59	B26C9	M7F8	W116E26V8R5X9
(800203)	0A59	B26C9	M7F8	W116E26V8R5X9

BETA

-10.000	-14.250	.000	.000
-10.000	-14.250	.000	.000
-5.000	-14.250	.000	.000

RUDDER

.000	.000	.000
.000	.000	.000
.000	.000	.000

REFERENCE INFORMATION

SREF	4.4119	SQ.FT.
LREF	52.2570	INCHES
BREF	52.2570	INCHES
XMRP	43.5974	INCHES
YMRP	.0000	INCHES
ZMRP	16.2000	INCHES
SCALE	.0405	INCHES

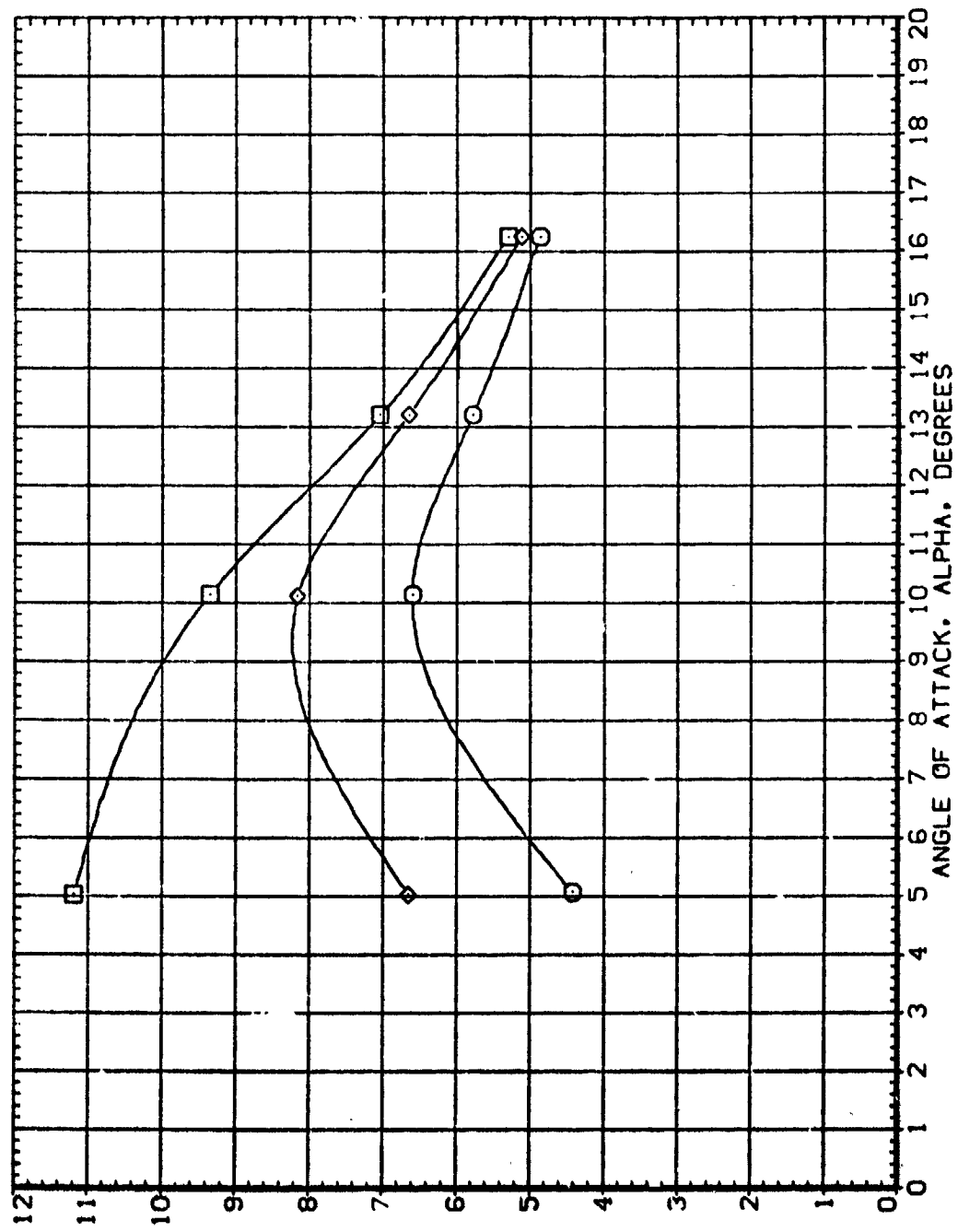


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
 (A)MACH = .16 PAGE 10

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		REFERENCE INFORMATION	
(R00200)	8	0453	826C961547F8	W1162E6V8R5X9	SREF 4.4119 SO.FT.
(R00204)	8	0453	826C9 47F8	W1162E6V8R5X9	LREF 52.2570 INCHES
					BREF 52.2570 INCHES
					YMRP 43.5974 INCHES
					ZMRP .0000 INCHES
					SCALE 16.2000 INCHES
					SCALE .0405

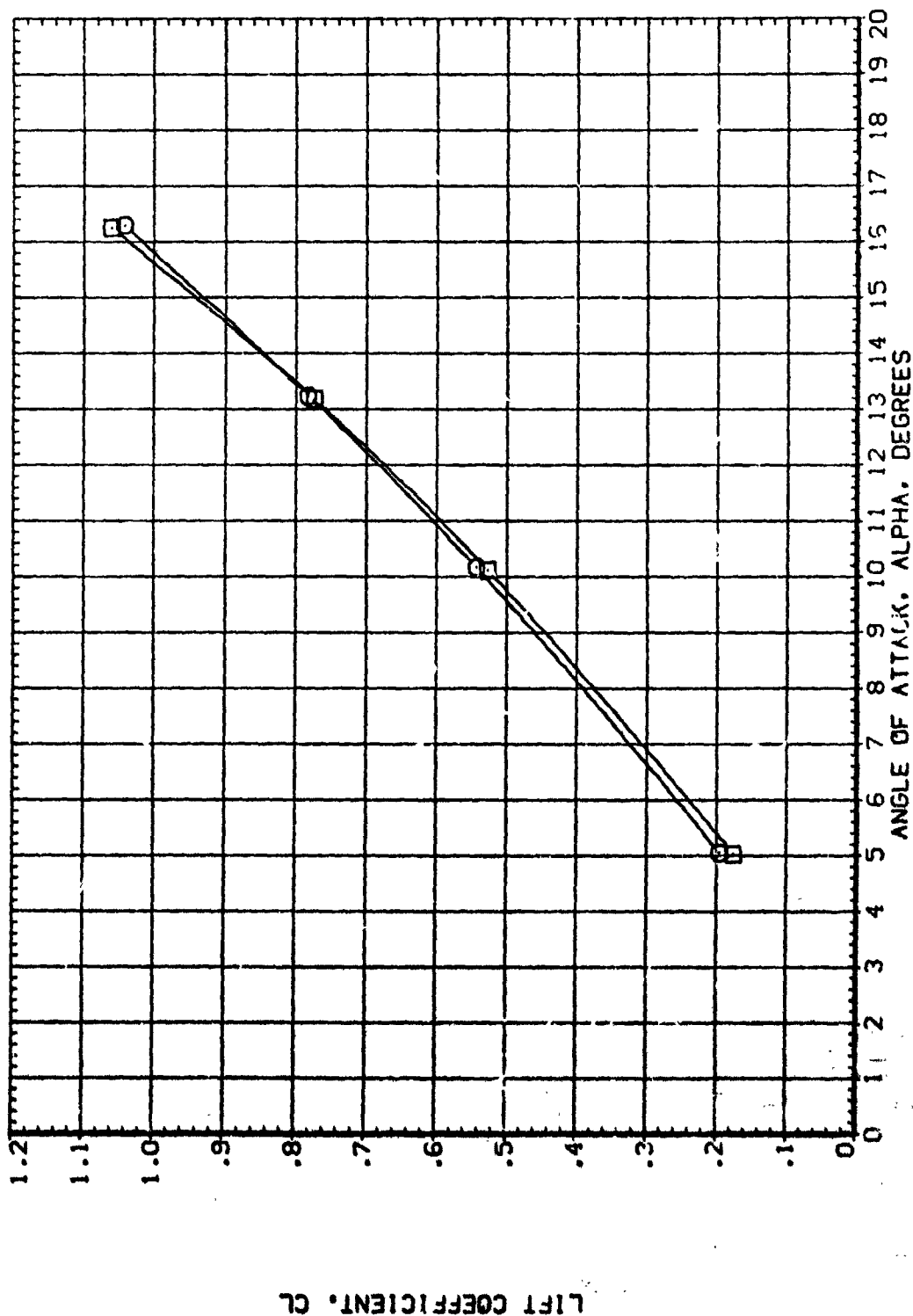


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF -- BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL (R00270) B (R1-22J4)

CONFIGURATION DESCRIPTION
 0A69 B26C9G1SH7F8 W116E26V8RSX9
 0A69 B26C9 M7F8 W116E26V8RSX9

BETA .000 .000 .000 .000 .000 .000

BD FLAP -14.250 -14.250

ELEVON .000 .000

RUDDER .000 .000

REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405 SCALE

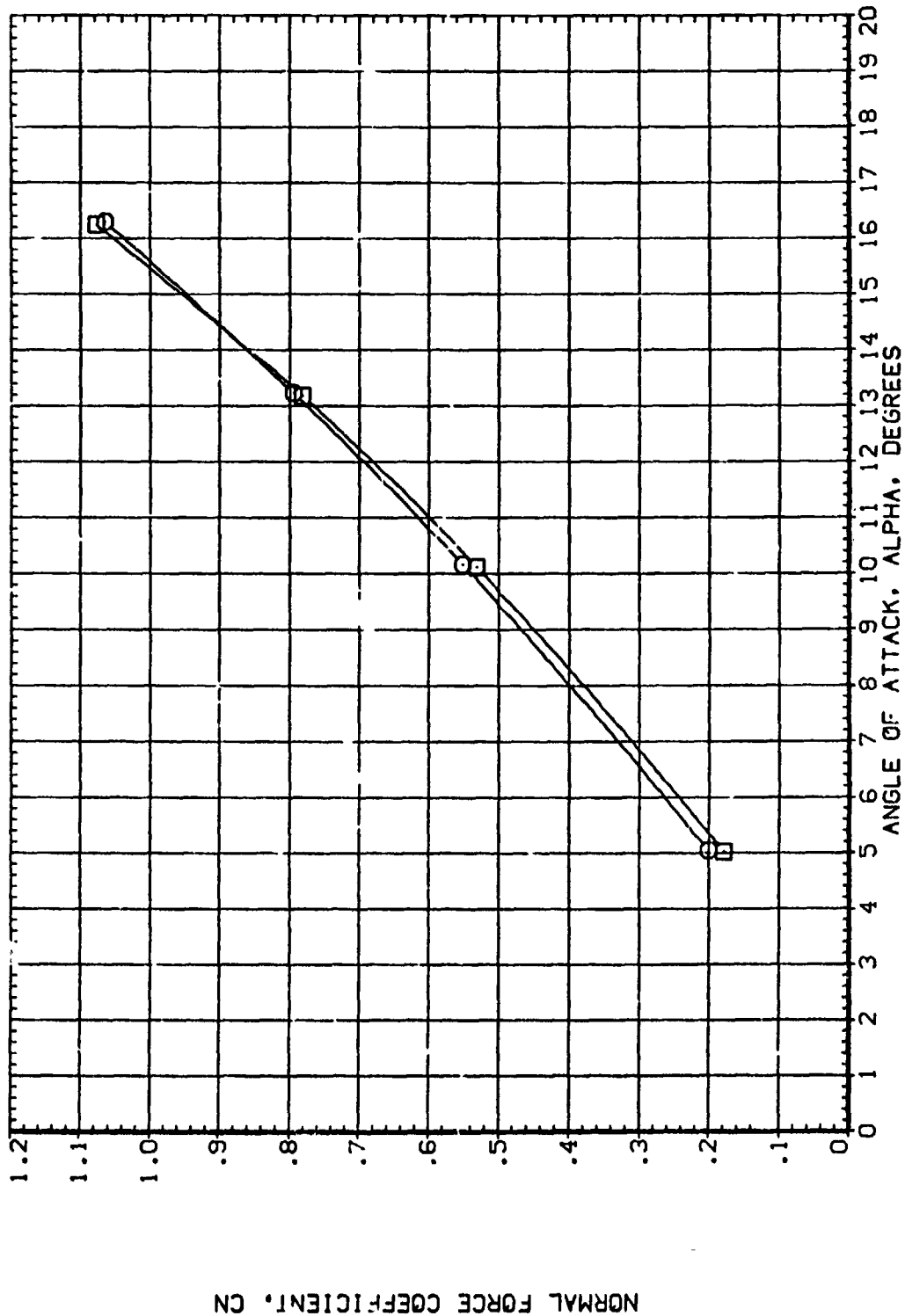


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00200) ☐ 0A69 926C91SM7F8 W118E26V8R5X9
 (R00204) ☐ 0A69 926C9 M7F8 W118E26V8R5X9

BETA BDFLAP ELEVON RUDDER REFERENCE INFORMATION
 .000 -14.250 .000 .000 SREF 4.4119 SO.FT.
 .000 -14.250 .000 .000 LREF 52.2570 INCHES
 .000 .000 .000 .000 BREF 52.2570 INCHES
 .000 .000 .000 .000 XMRP 43.5974 INCHES
 .000 .000 .000 .000 YMRP .0000 INCHES
 .000 .000 .000 .000 ZMRP 16.2000 INCHES
 .000 .000 .000 .000 SCALE .0405 SCALE

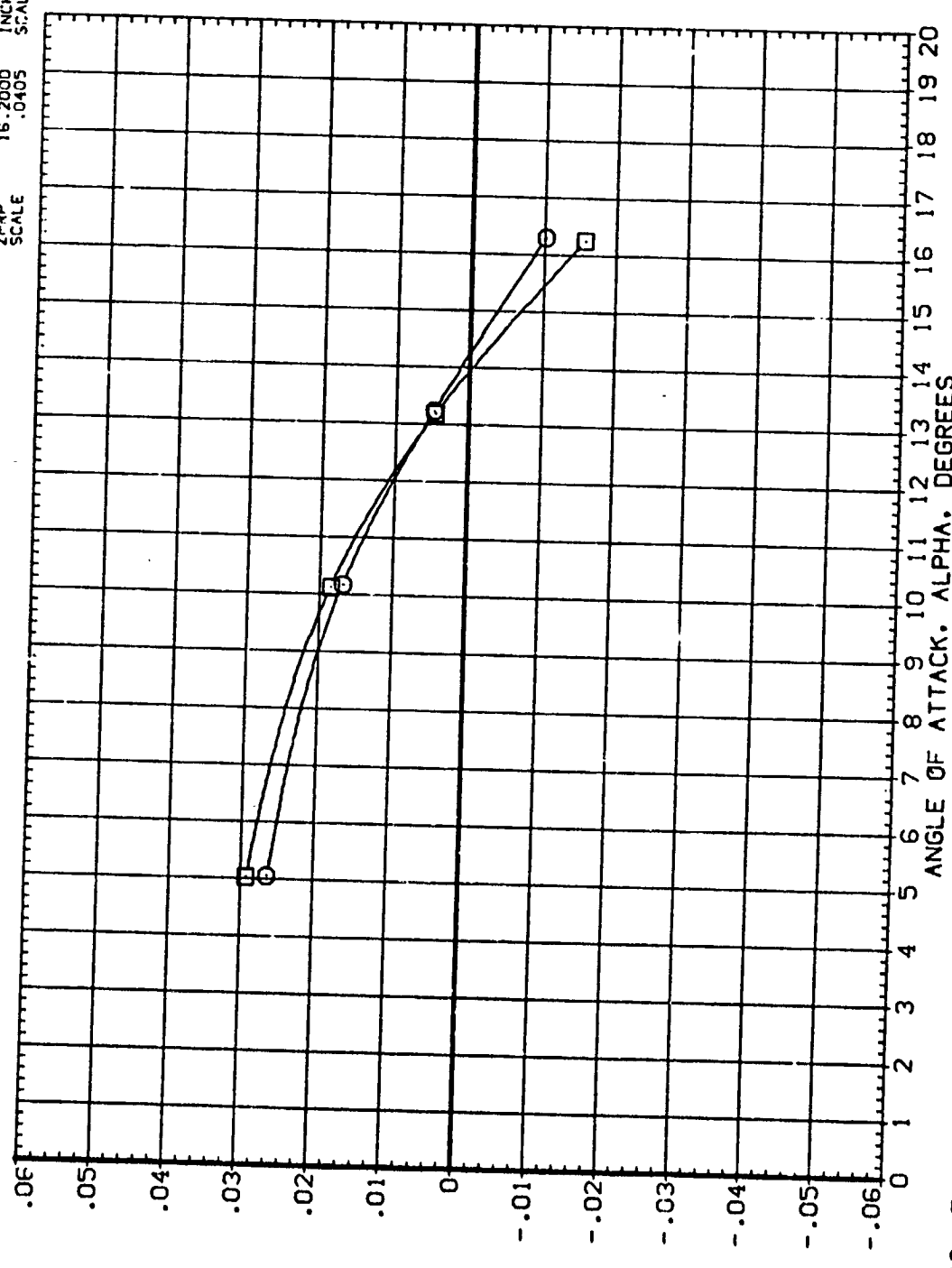


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BDFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00200)	QAG9	B26C9G15H7F8	W116E26V8R5X9	.000	-14.250	.000	.000	.000	.000	SREF	4.4119	SO.FT.	
(R00204)	QAG9	B26C9	H7F8	.000	-14.250	.000	.000	.000	.000	LREF	52.2570	INCHES	
										BREF	43.5974	INCHES	
										XMRP	.0000	INCHES	
										YMRP	16.2000	INCHES	
										ZMRP	.3405	SCALE	

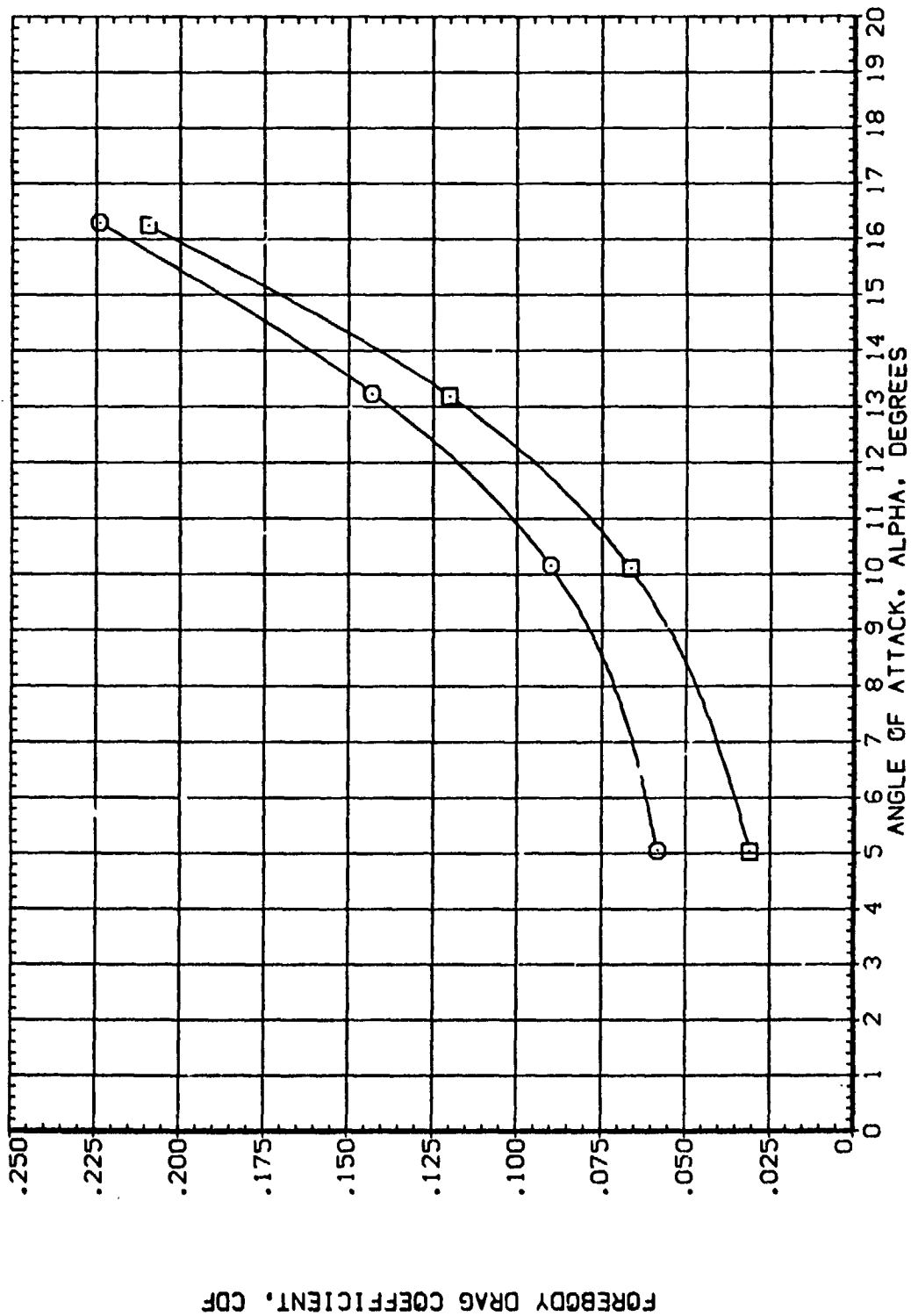


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(RD0200)	0A69 B26C9G15M7F8 W115E26V8R5X9	.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(RD0204)	0A69 B26C9 H7F8 W115E26V8R5X9	.000	-14.250	.000	.000	LREF 5.2570 INCHES
						BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

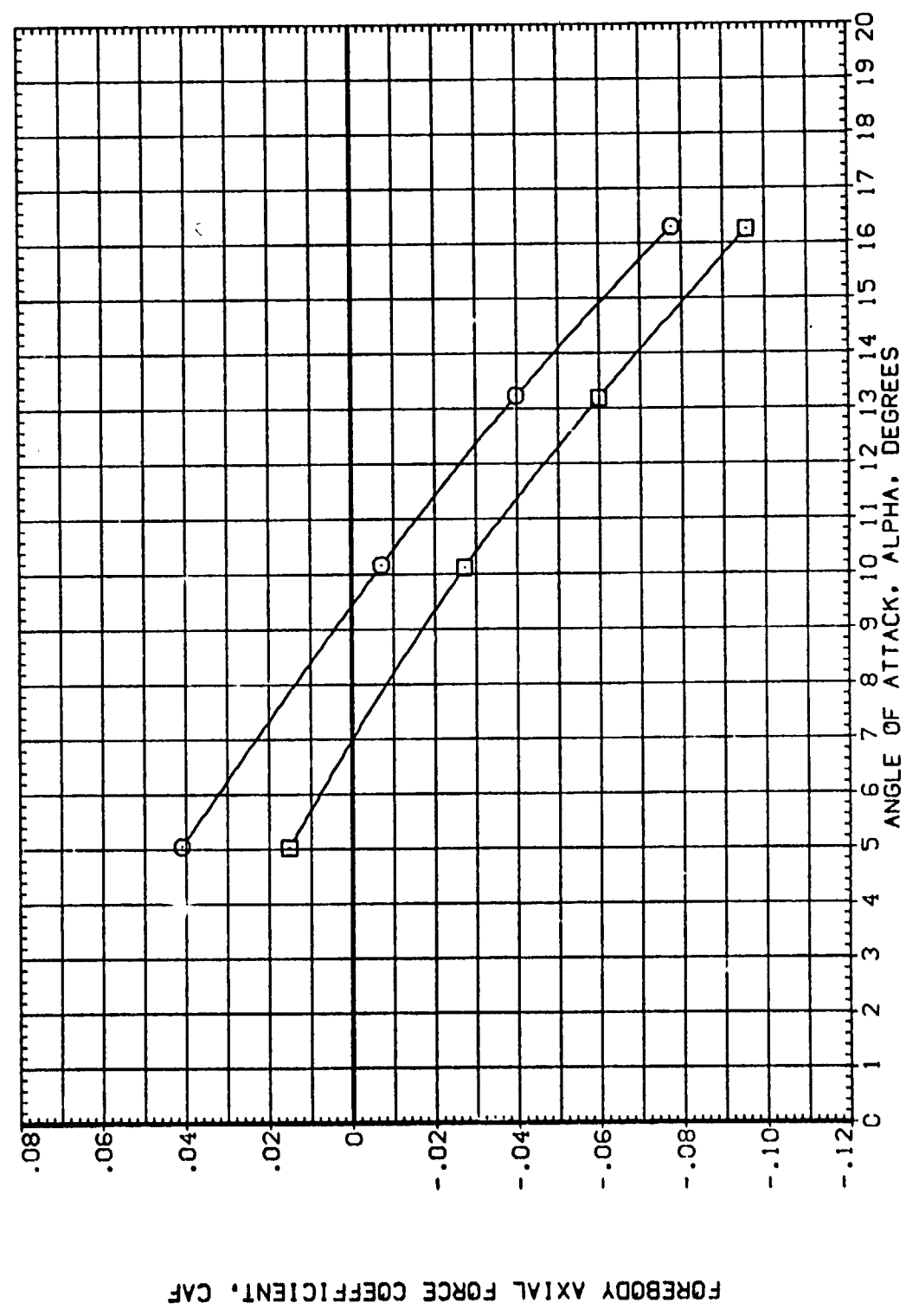


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(RC2200)	(R09204)	0A69	B26C9	H7F8	W116E26V8R5X9	.000	-14.250	.000	.000	.000	.000	SREF	4.4119
		0A69	B26C9	H7F8	W116E26V8R5X9	.000	-14.250	.000	.000	.000	.000	LREF	52.2570
												BREF	52.2570
												XMRP	43.5974
												YMRP	.0000
												ZMRP	16.2000
												SCALE	.0405

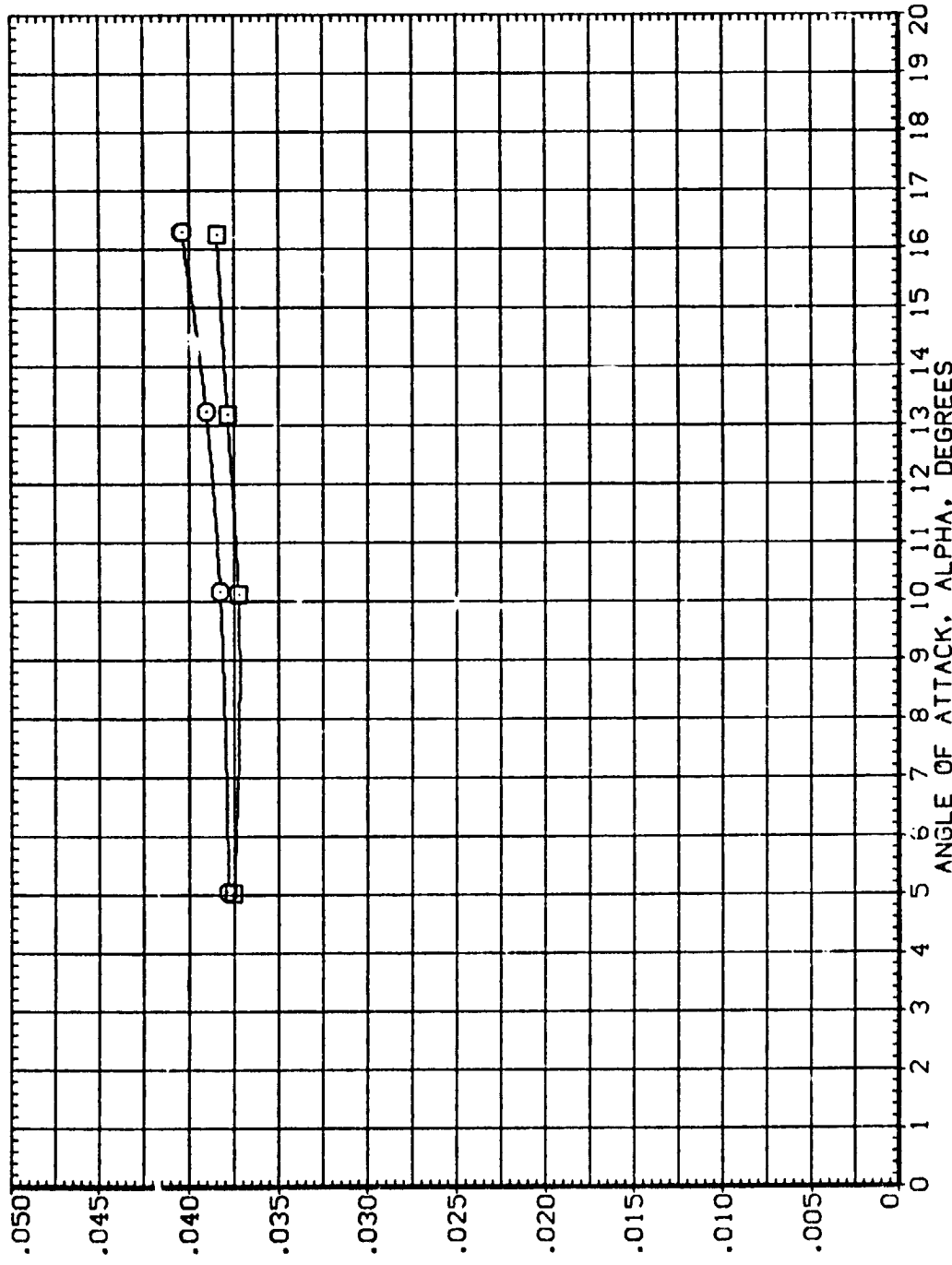


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BD FLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00200)	QAG9 B26C9G1SH7F8 W116E26V8RSXS	.000	-14.250	.000	.000	SREF 4.4119 SO.FT.
(R00204)	QAG9 B26C9 H7F8 W116E26V8RSXS	.000	-14.250	.000	.000	LREF 52.2570 INCHES
						BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

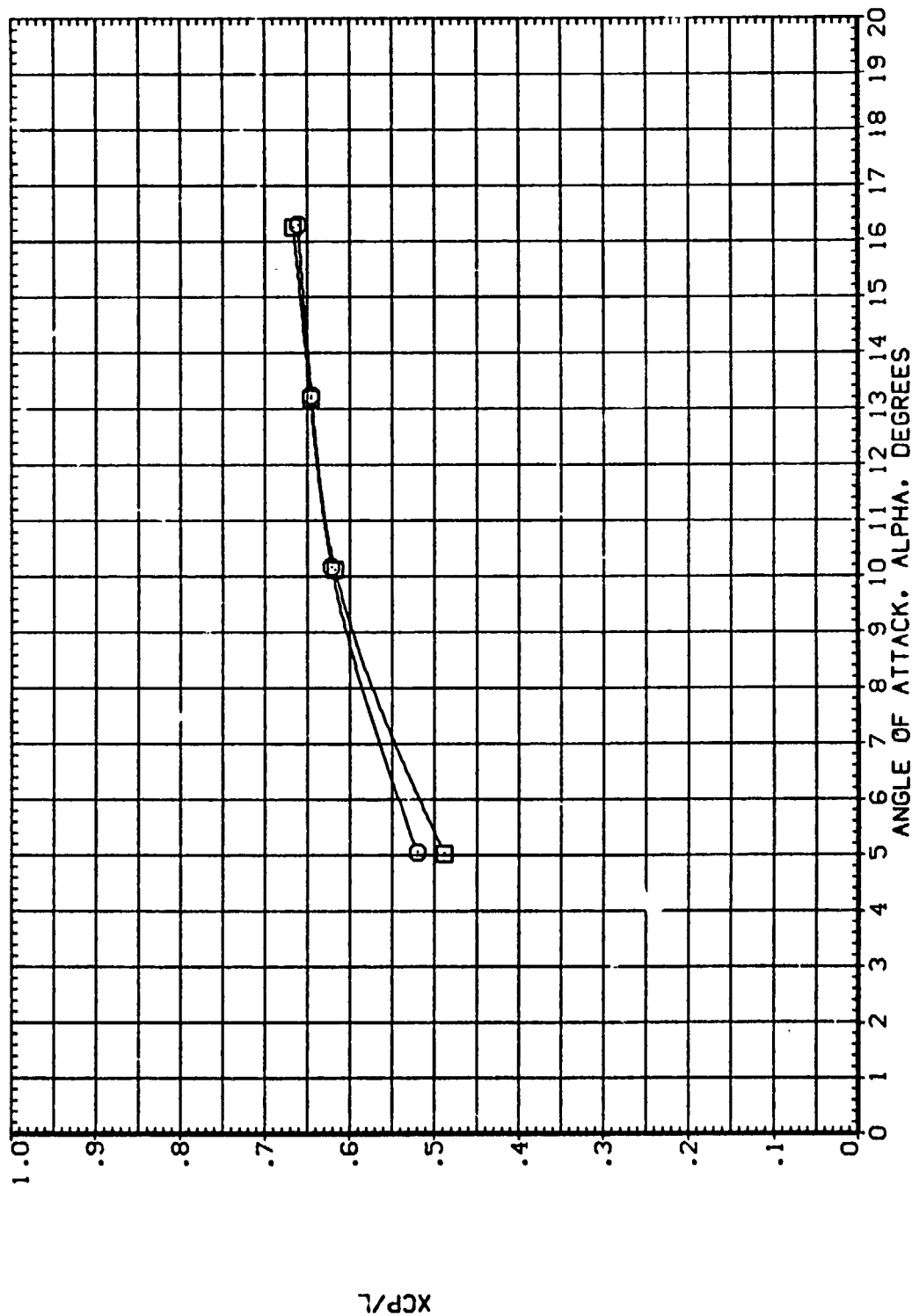


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00200)	QAGS B26CS1SH7F8 W116E26V8RSX9	.000	-14.250	.000	.000	SREF 4.4119 SO.FT. INCHES
(R00204)	QAGS B26CS1SH7F8 W116E26V8RSX9	.000	-14.250	.000	.000	LREF 52.2570 INCHES
						BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

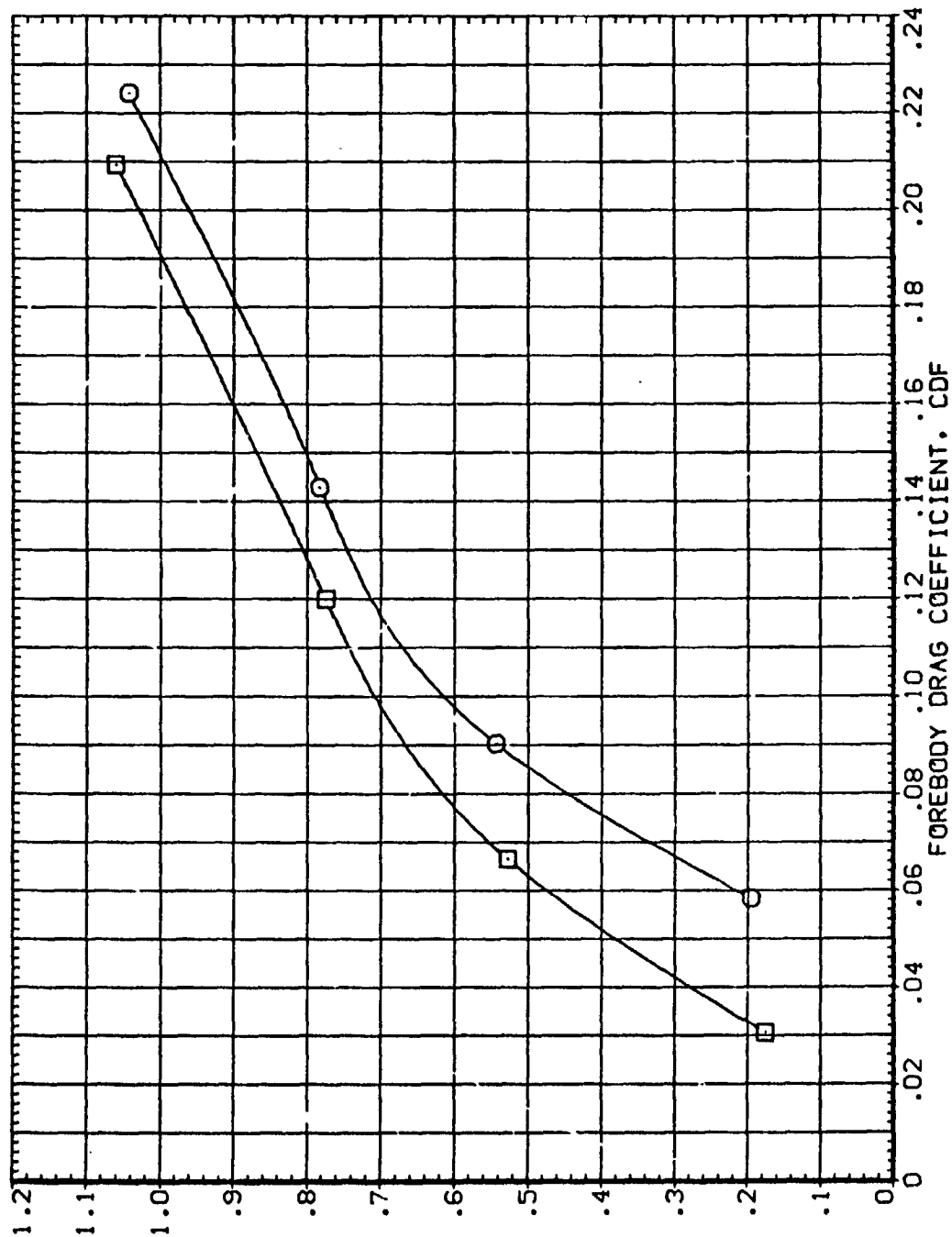


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

PAGE

18

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BD FLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00200)	QAS9	B26C9G15M7F8	W116E26V85X9	.000	-14.250	.000	.000	.000	.000	SREF	4.4119	SO.FT.	
(R00204)	QAS9	B26C9	M7F8	.000	-14.250	.000	.000	.000	.000	LREF	52.2570	INCHES	
										BREF	52.2570	INCHES	
										YMRP	43.5974	INCHES	
										ZMRP	.0000	INCHES	
										SCALE	16.2000	INCHES	
											.0405	SCALE	

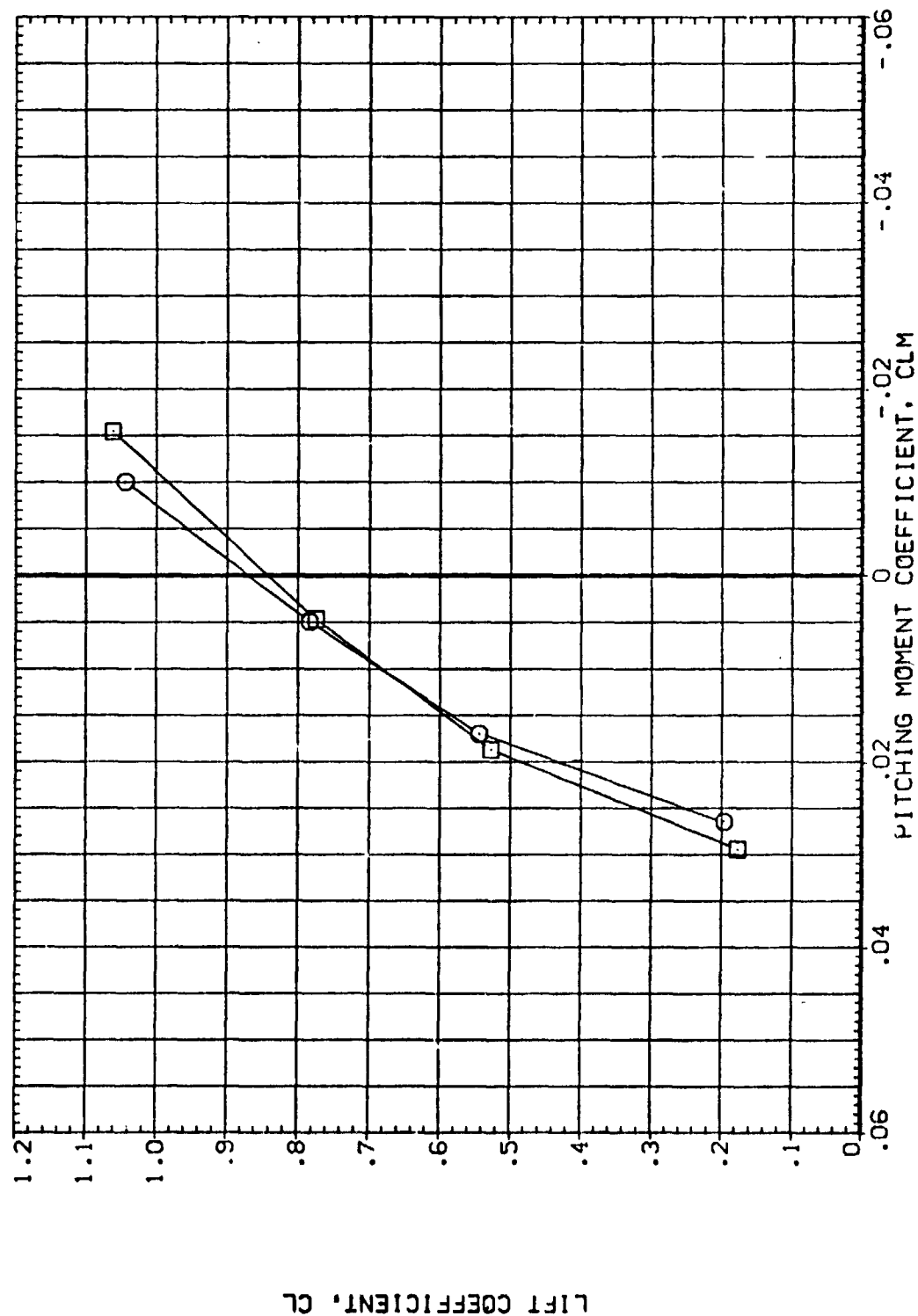


FIG. 5 LONGITUDINAL CHARACTERISTICS. GEAR ON AND OFF - BETA = 0 DEG.

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	80FLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(800200)	0A69 B26C9G1M7F8 W116E26V8R5X9	.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(800204)	0A69 B26C9 H7F8 W116E26V8R5X9	.000	-14.250	.000	.000	LREF 52.2570 INCHES
						BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

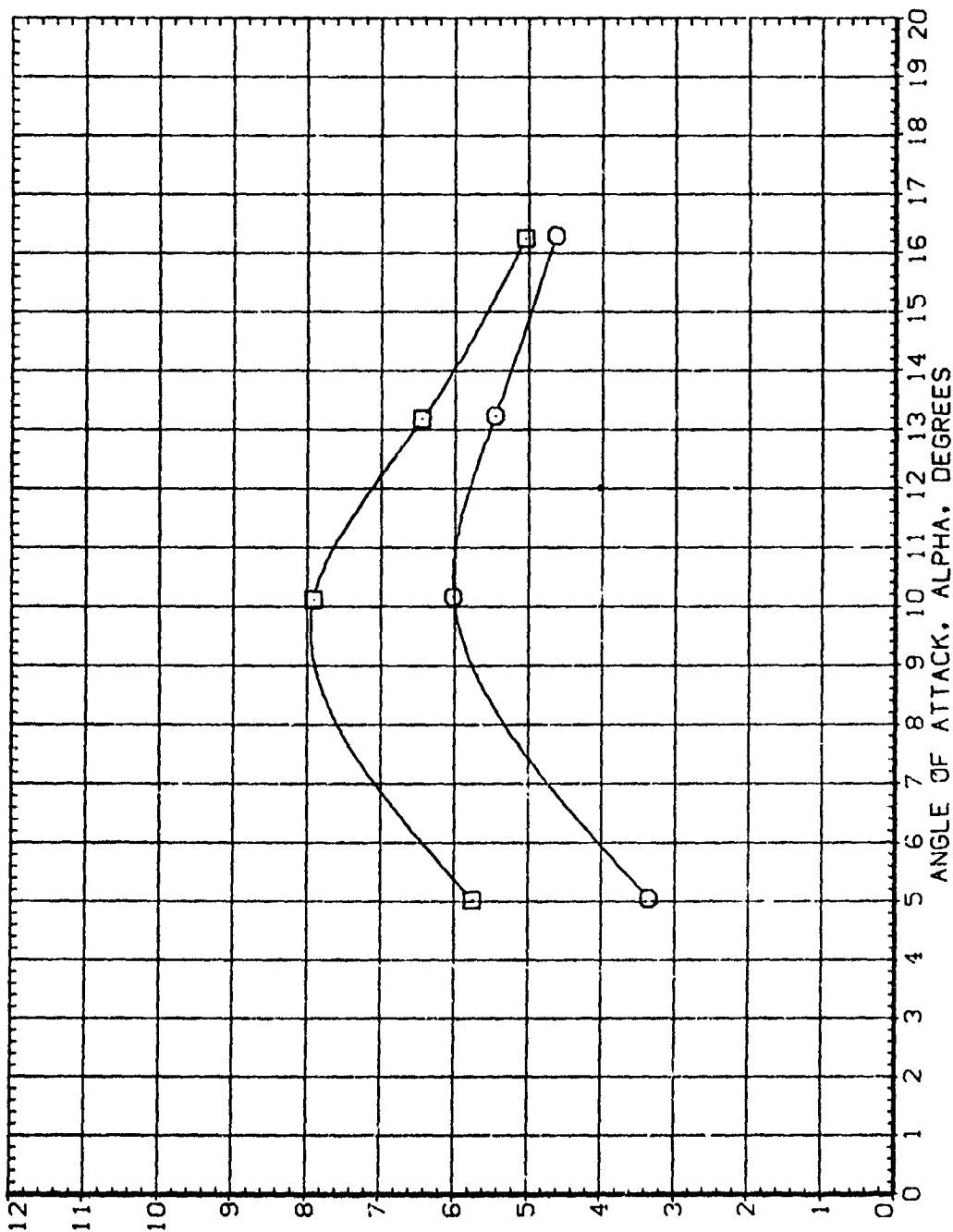


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BD FLAP	ELEVON	RUDDER	REFERENCE INFORMATION			
(R00201)	QAS9 B26C9G15M7F8 W116E26V8R5X9	10.000	-14.250	.000	.000	SREF	4.4119	50.FT.	
(R00205)	QAS9 B26C9 M7F8 W116E26V8R5X9	10.000	-14.250	.000	.000	LREF	52.2570	INCHES	
						BREF	52.2570	INCHES	
						WASP	43.5874	INCHES	
						THRP	16.0000	INCHES	
						ZMRP	16.2000	INCHES	
						SCALE	.0405	SCALE	

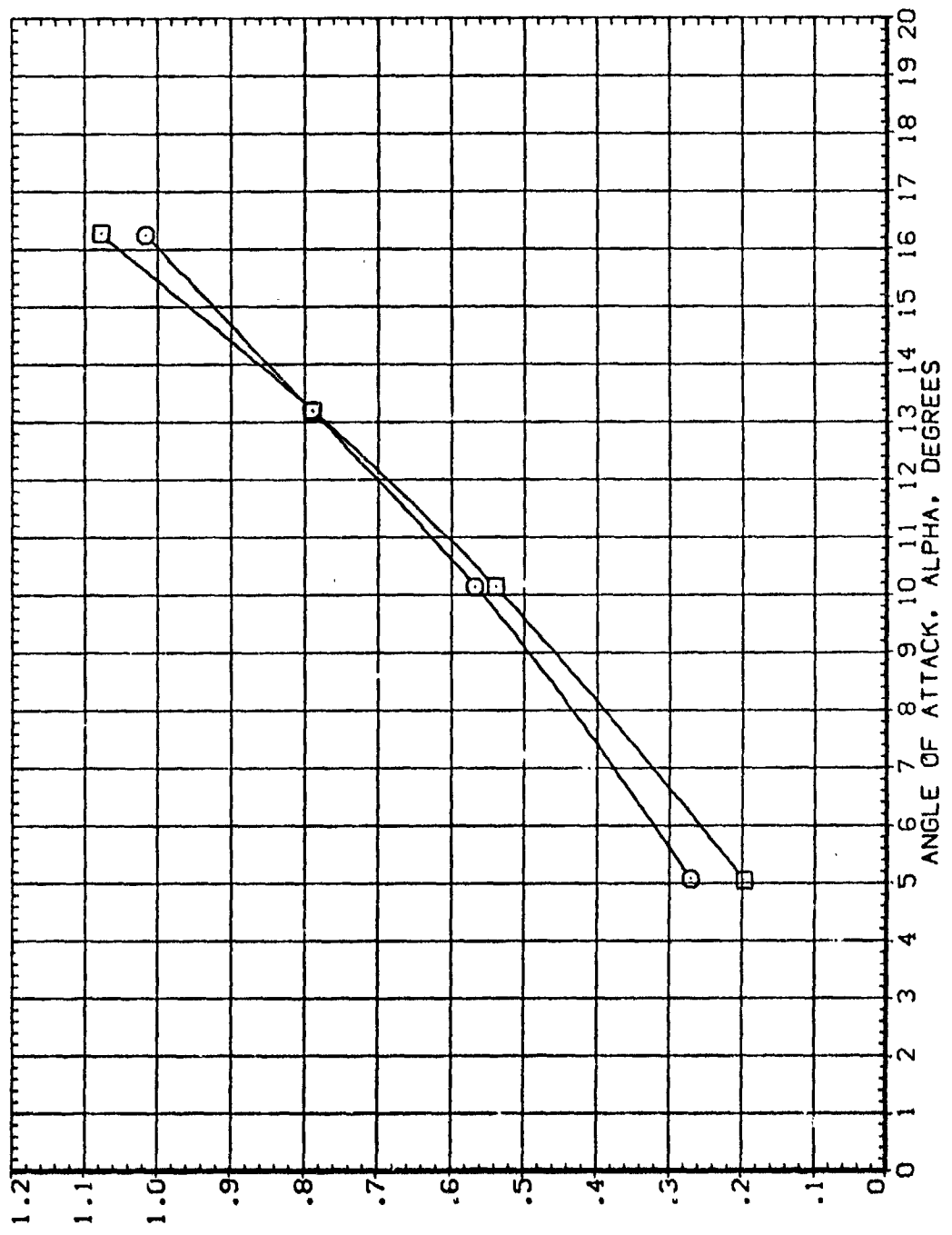


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00201)	Q	OAS9	B26C9G15H7F8	W116E2F8R5X9	10.000	-14.250	.000	.000	.000	SREF	4.4119	SO.FT.	
(R00205)		OAS9	B26C9	H7F8	10.000	-14.250	.000	.000	.000	LREF	52.2570	INCHES	
										BREF	52.2570	INCHES	
										YMRP	43.5974	INCHES	
										ZMRP	16.2000	INCHES	
										SCALE	.0405	SCALE	

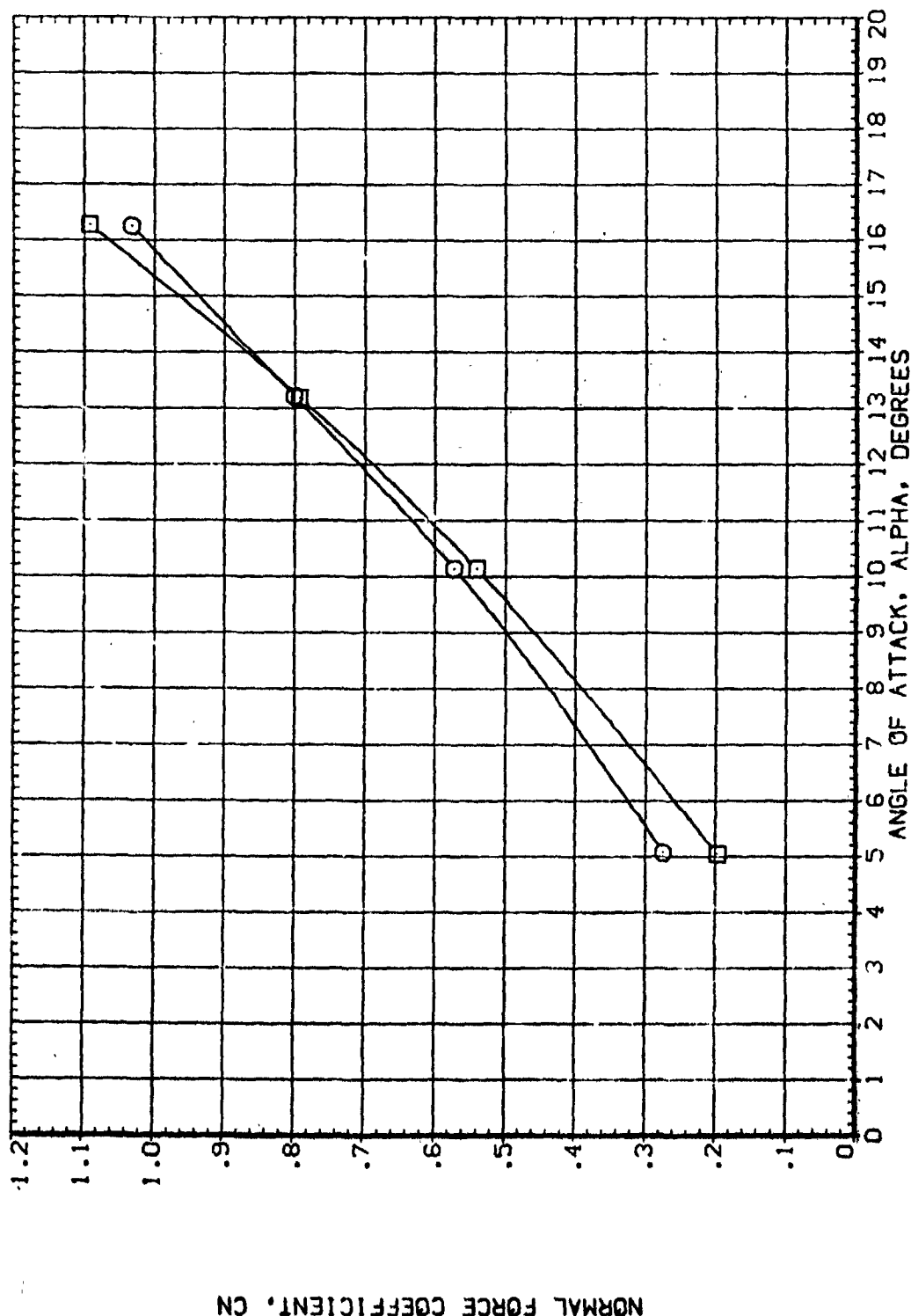


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL (R00201) (R00203)  

CONFIGURATION DESCRIPTION

0459 B26C9G1SM7F8 N116E26V8R5X9
0469 B26C9 H7F8 N116E26V8R5X9

BETA 10.000 10.000
BD FLAP 14.250 -14.250
ELEVON .000 .000
RUDDER .000 .000

REFERENCE INFORMATION
SREF 4.419 SQ.FT.
LREF 52.2570 INCHES
BREF 52.2570 INCHES
XMRP 43.5974 INCHES
YMRP .0000 INCHES
ZMRP 16.2000 INCHES
SCALE .0405

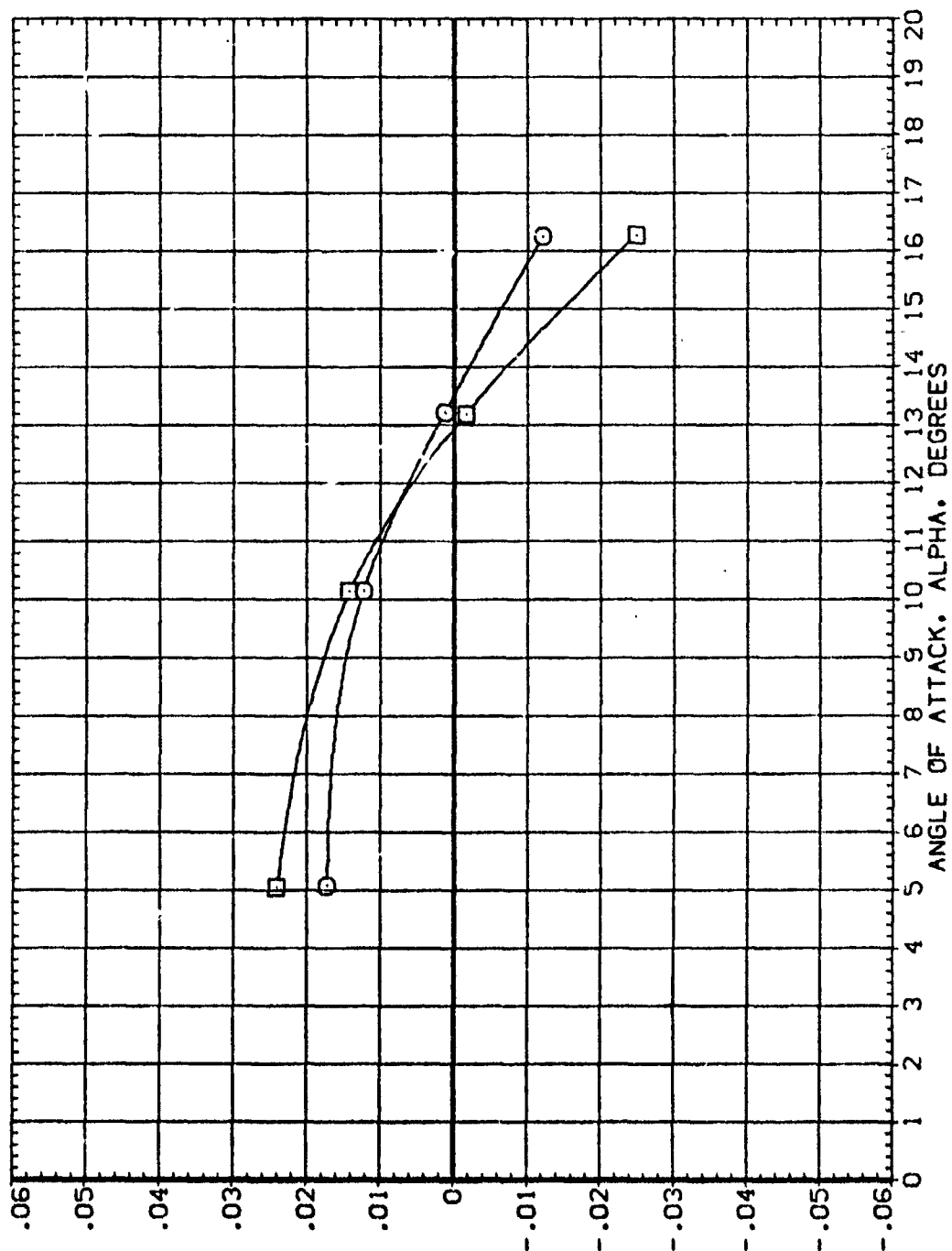


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

PAGE 23

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P00201) 0A69 826C915M7F8 W116E26V8R3K9
 (FD2235) 0A69 826C9 M7F8 W116E26V8R3K9

BETA 80FLAP ELEVON RUDDER
 10.000 -14.250 .000
 10.000 -14.250 .000

REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405

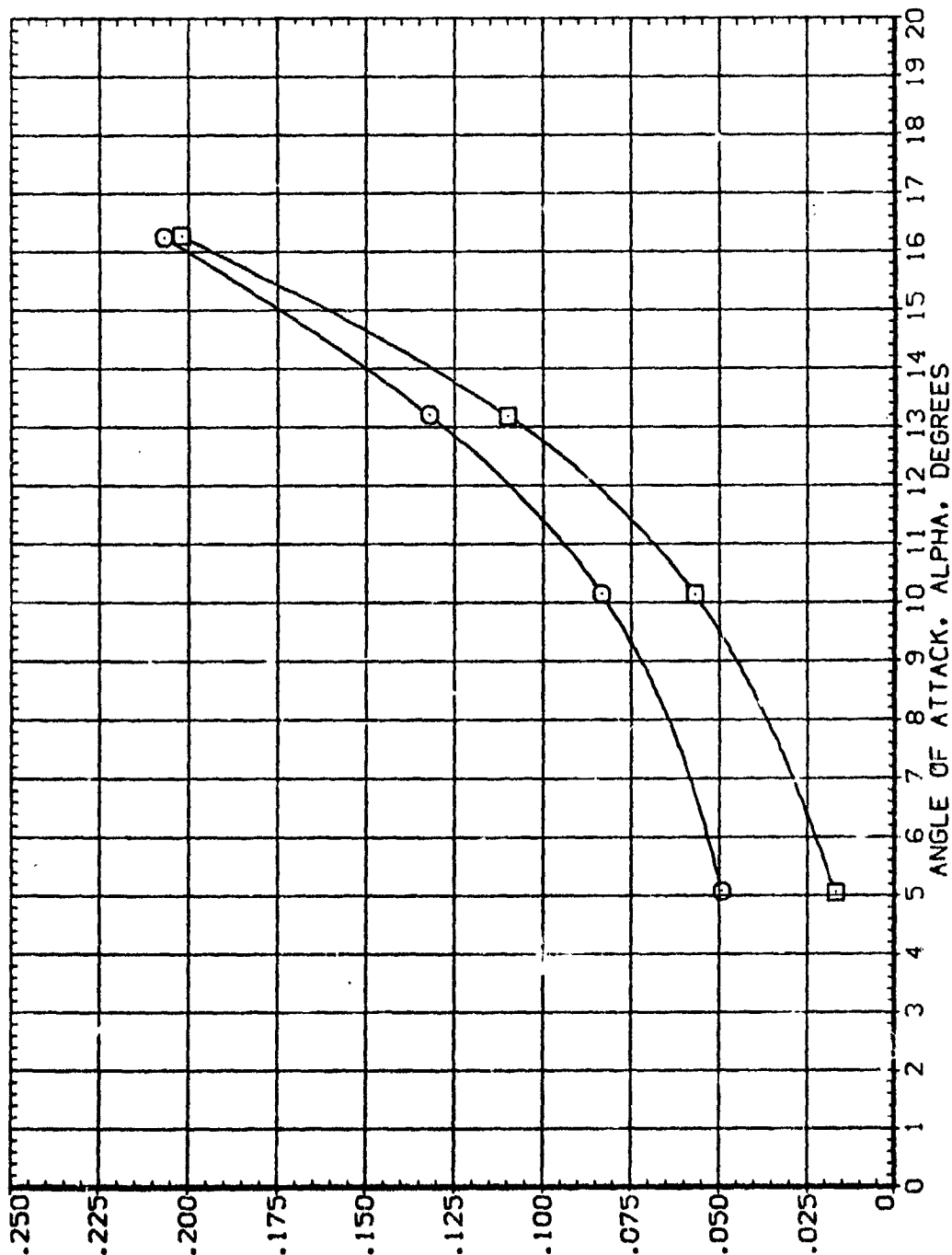


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00201)	QAG9	B26C9	W7F8	W116E26V8RSX9	10.000	-14.250	.000	SREF	4.1119	50.000	INCHES		
(R00205)	QAG9	B26C9	M7F8	W116E26V8RSX9	10.000	-14.250	.000	LREF	52.2570	50.000	INCHES		
								BREF	52.2570	50.000	INCHES		
								XMRP	43.5974	50.000	INCHES		
								YMRP	16.2000	50.000	INCHES		
								ZMRP	16.2000	50.000	INCHES		
								SCALE	.3405	50.000	INCHES		

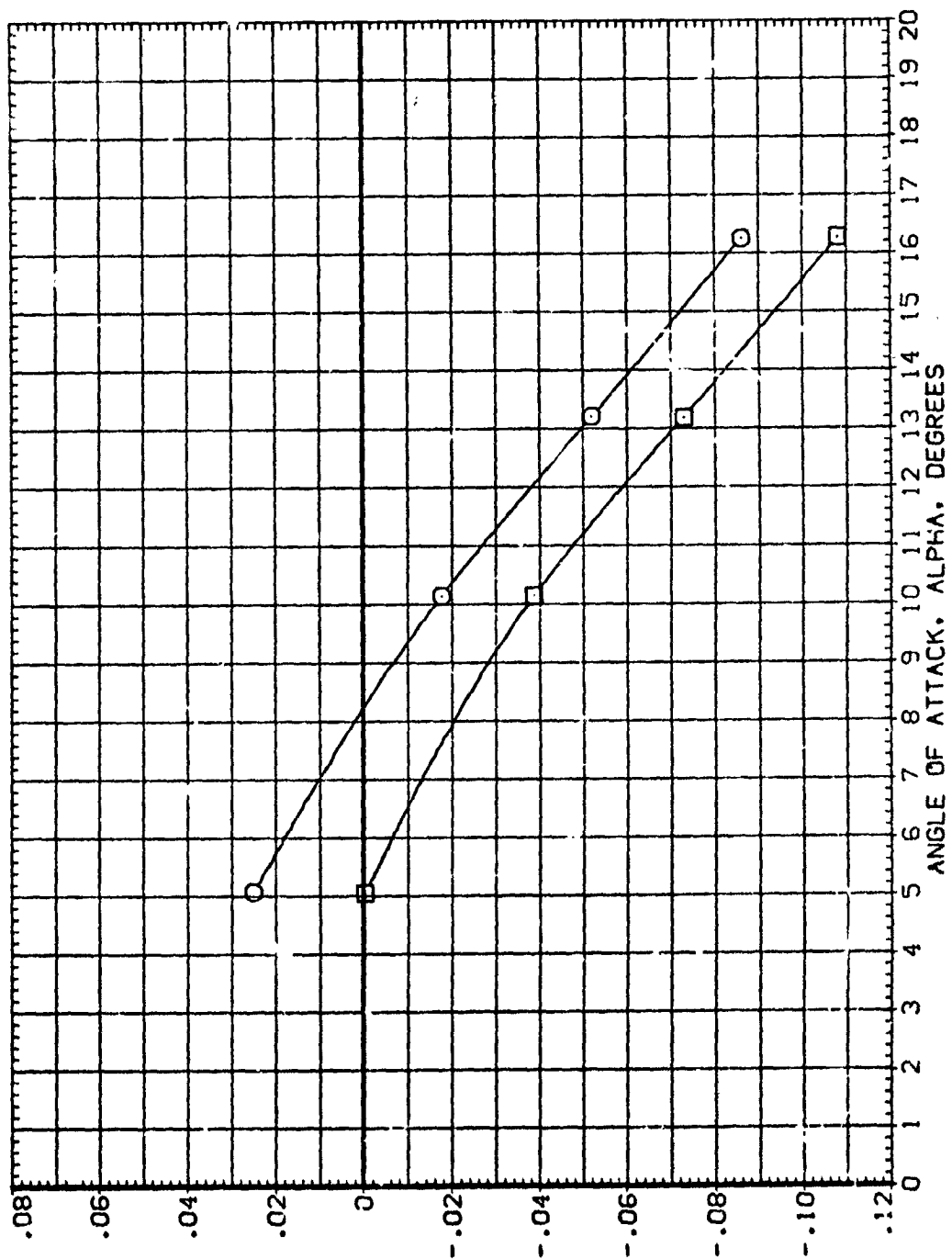


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A) MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00201) 8 0A09 826C3G1SM7F8 W116E26VR5X9
(R00205) 8 0A09 826C3G1SM7F8 W116E26VR5X9

BETA BOFLAP ELEVON RUDDER

0.000 -14.250 .000 .000
10.000 -14.250 .000 .000

REFERENCE INFORMATION

SREF 4.4119 SQ.FT.
LREF 52.2570 INCHES
BREF 52.2570 INCHES
XMRP 43.5974 INCHES
YMRP .0000 INCHES
ZMRP 16.0000 INCHES
SCALE .0405

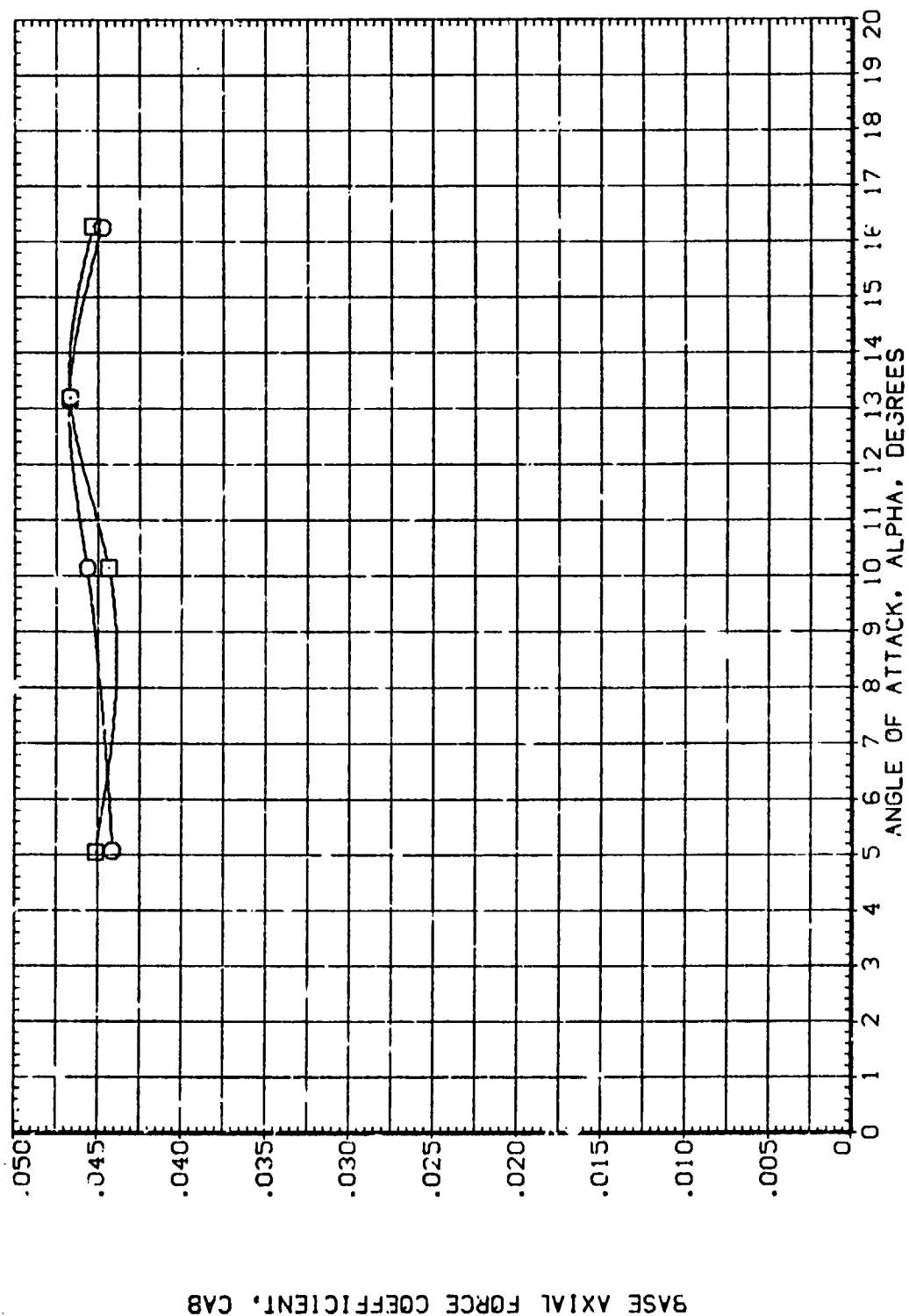


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

DATA SET SYMBOL B
 (PC0201)
 (R00205)

CONFIGURATION DESCRIPTION

QAS9 B26C961547F8 V11SE26V8RSX9
 CAS9 B26C9 47F8 V11SE26V8RSX9

BETA 10.000
 10.000
 10.000

BDCLAP -14.250
 -14.250
 -14.250

ELEVON .000
 .000
 .000

RUDDER .000
 .000
 .000

REFERENCE INFORMATION
 SREF 4.419 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5374 INCHES
 YMRP 16.2000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0425

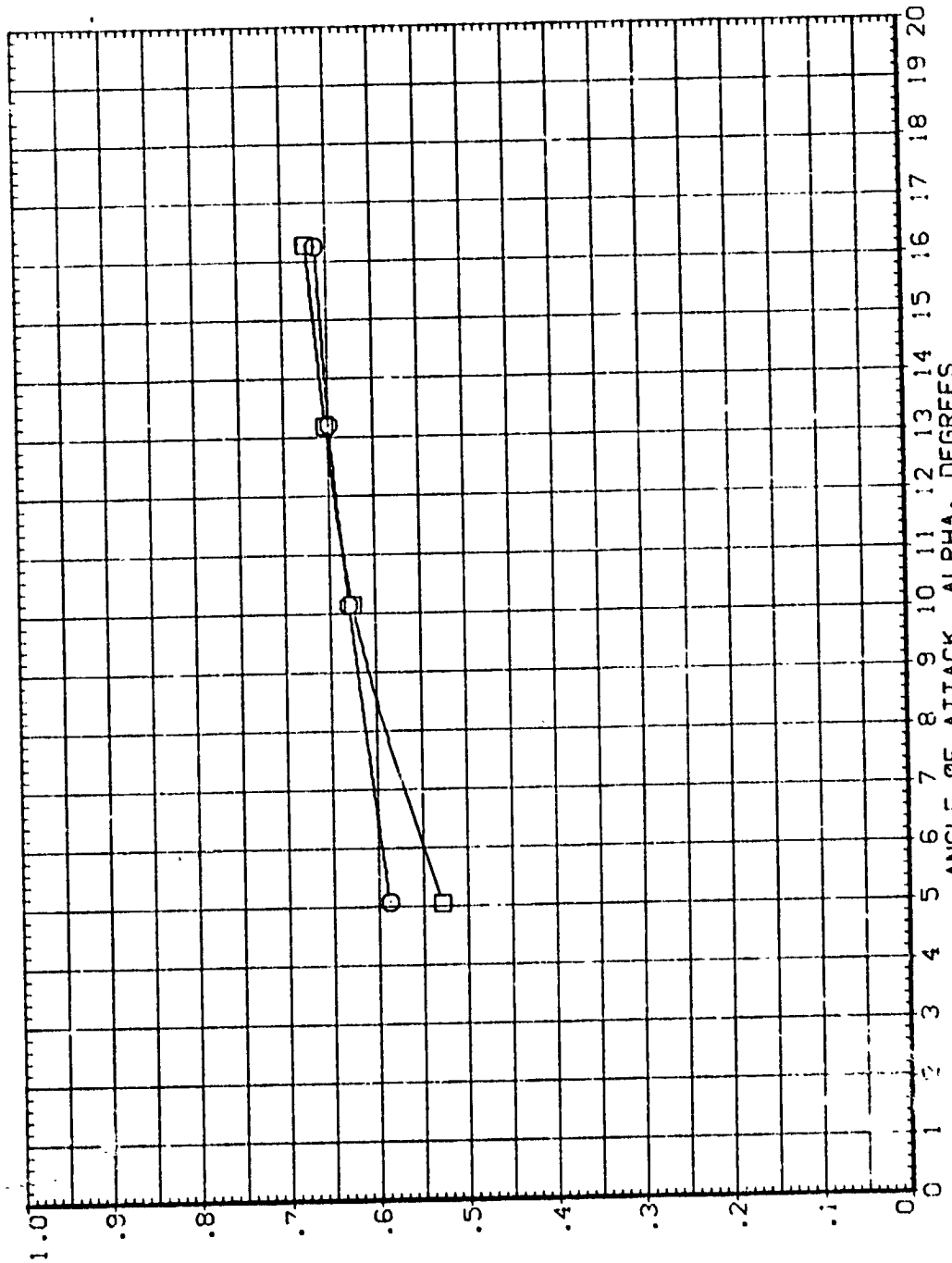


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

CAMACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RC2201) 0A69 B26C901SH7F8 W116Z6V8R5X9
 (RC2205) 0A69 B26C9 H7F8 W116Z6V8R5X9

BETA 80FLAP ELEVON RUDDER
 10.000 -14.250 .000
 10.000 -14.250 .000

REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405 SCALE

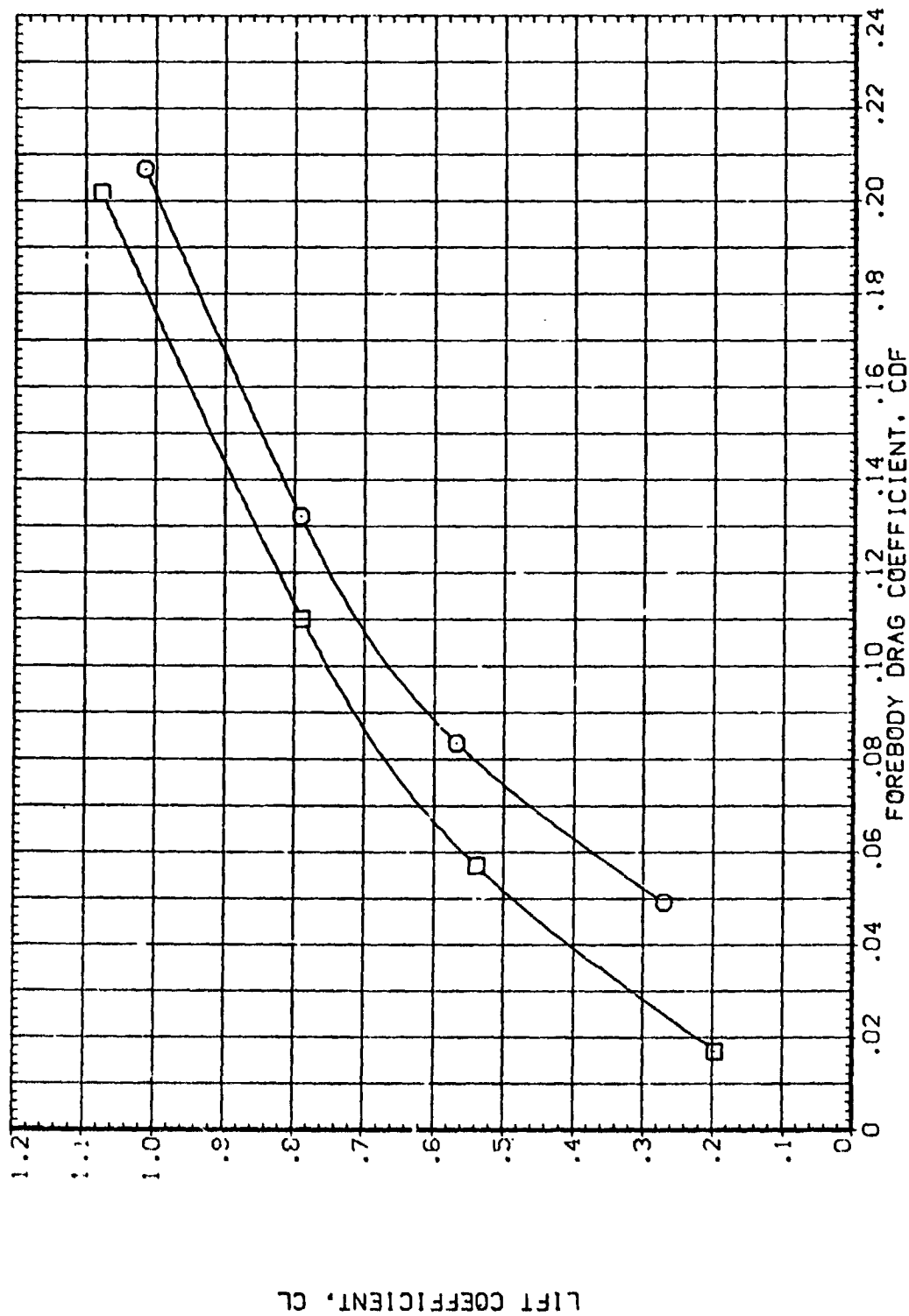


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R02201) B 0A59 B26C915M7F8 W116E28V8R3X9
 (R02205) B 0A59 B26C9 M7F8 W116E28V8R3X9

BETA R0FLAP ELEVON RUDDER REFERENCE INFORMATION
 10.000 -14.250 .000 SREF 4.4119 SQ. FT.
 10.000 -14.250 .000 LREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP 16.2000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405

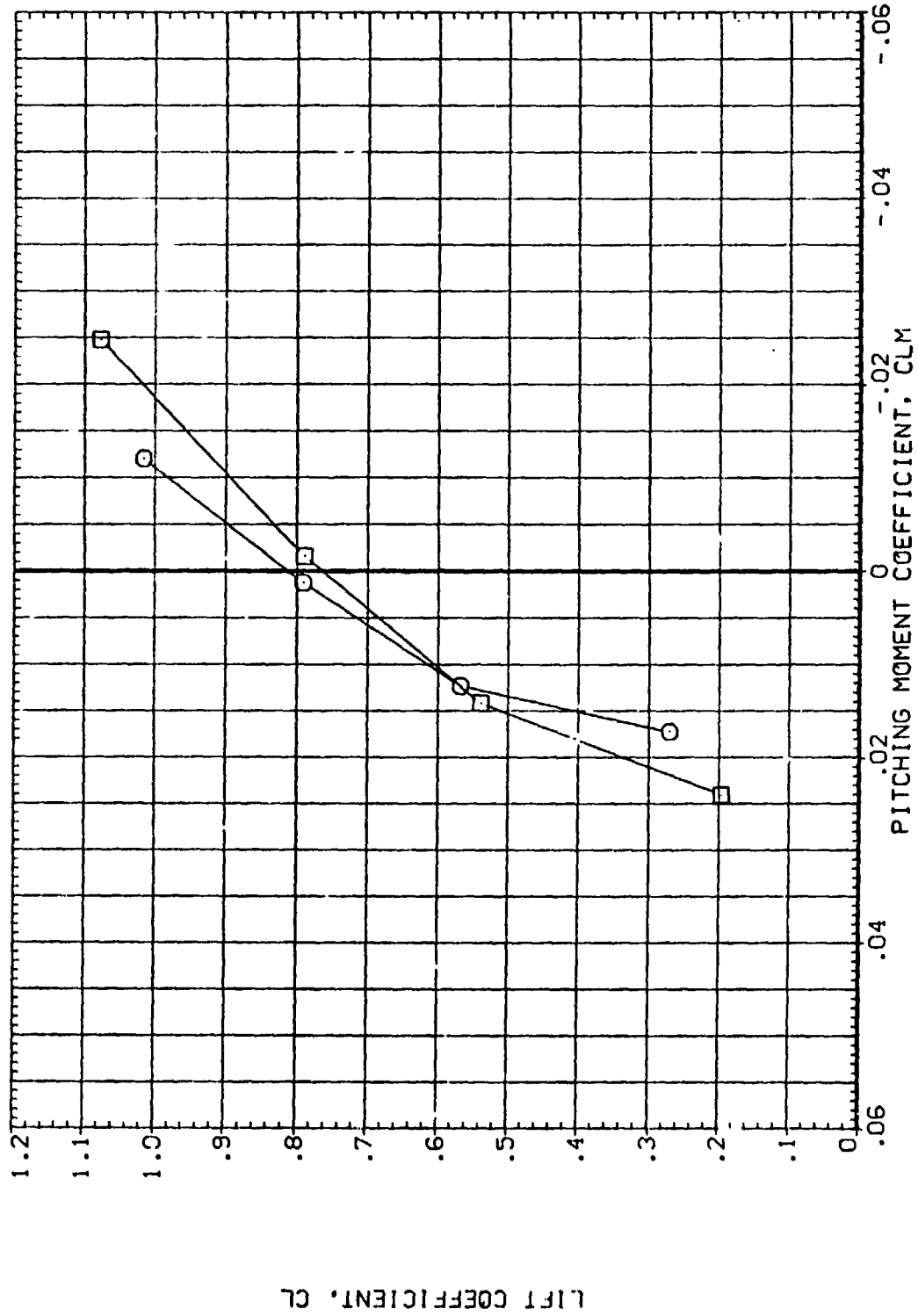


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (800201) 0A69 B26C9G15M7F8 W116E26V8R5X9
 (800205) 0A69 B26C9 M7F8 W116E26V8R5X9

BETA BDFLAP ELEVON RUDDER REFERENCE INFORMATION
 10.000 -14.250 .000 .000
 10.000 -14.250 .000 .000
 SREF 4.4119 50.00
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE 105 SCALE

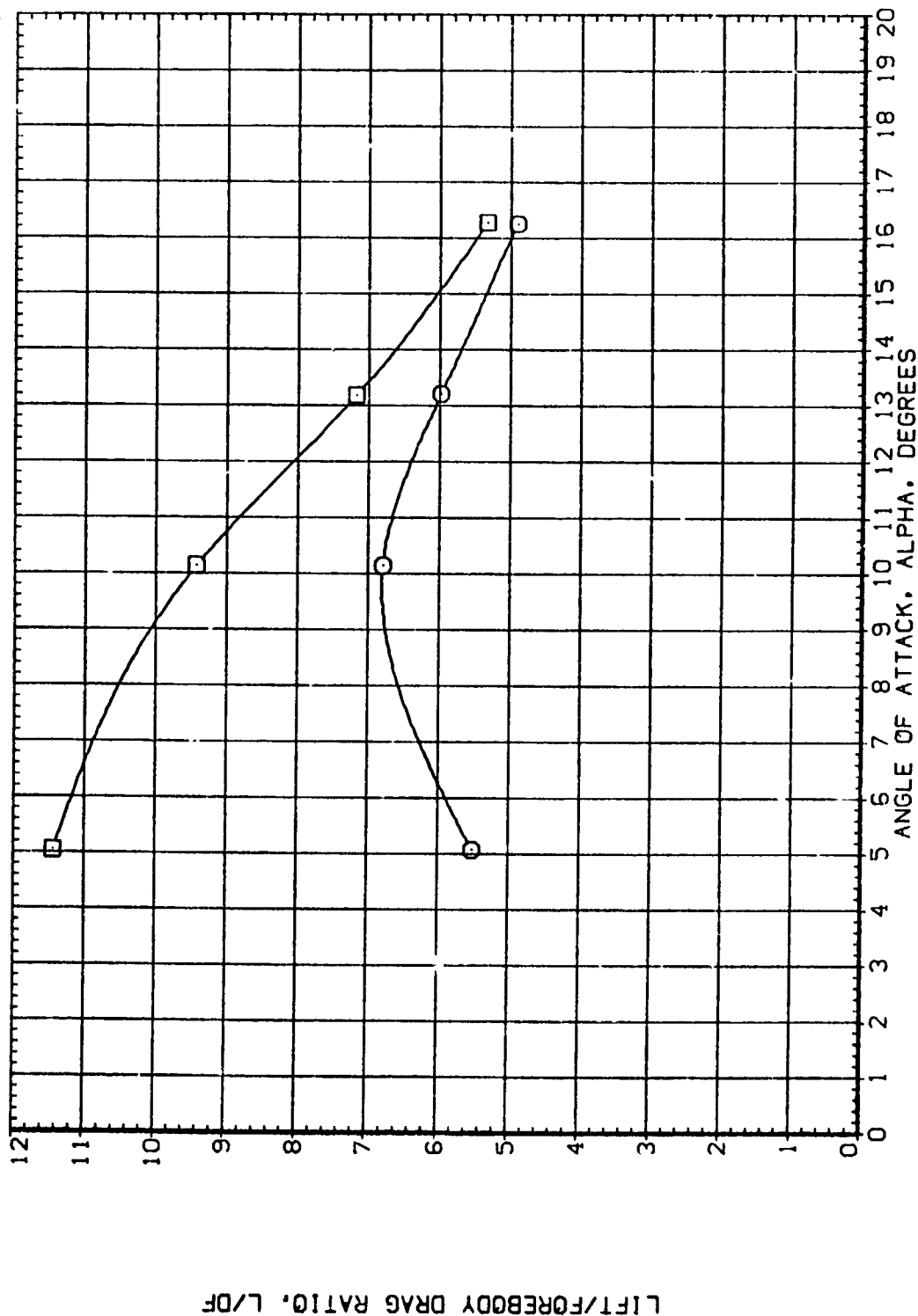


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA BOFLAP ELEVON RUDDER REFERENCE INFORMATION

(R00198)	0A69 B26C9G1SH7F8 W116E26V8R3X9	-10.000	-14.250	.000	.000	SREF	4.4119	50. FT.
(R00202)	0A69 B26C9 M7F8 W116E26V8R3X9	-10.000	-14.250	.000	.000	LREF	52.2570	INCHES
(R00203)	0A69 B26C9 M7F8 W116E26V8R3X9	-5.000	-14.250	.000	.000	BREF	52.2570	INCHES
						XMRP	43.5974	INCHES
						YMRP	16.2000	INCHES
						ZMRP	16.2000	INCHES
						SCALE	.0405	SCALE

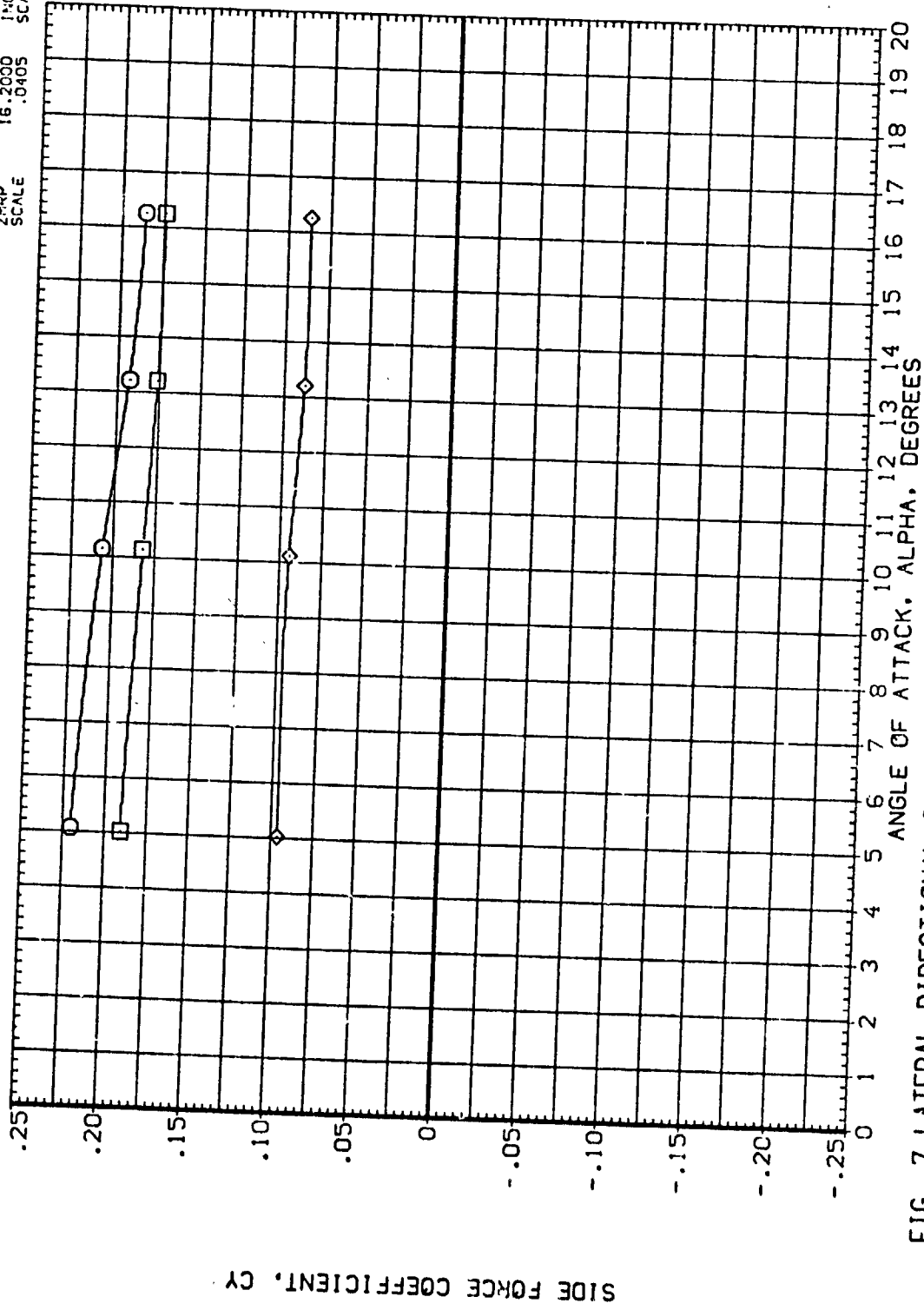


FIG. 7 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF- BETA=-5 AND -10 DEG
(M)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
RO0199	0A69 B26C9G1SM7F8 W116E2SV8RSX9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.F.
RO0202	0A69 B26C9 M7F8 W116E2SV8RSX9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
RO0203	0A69 B26C9 M7F8 W116E2SV8RSX9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

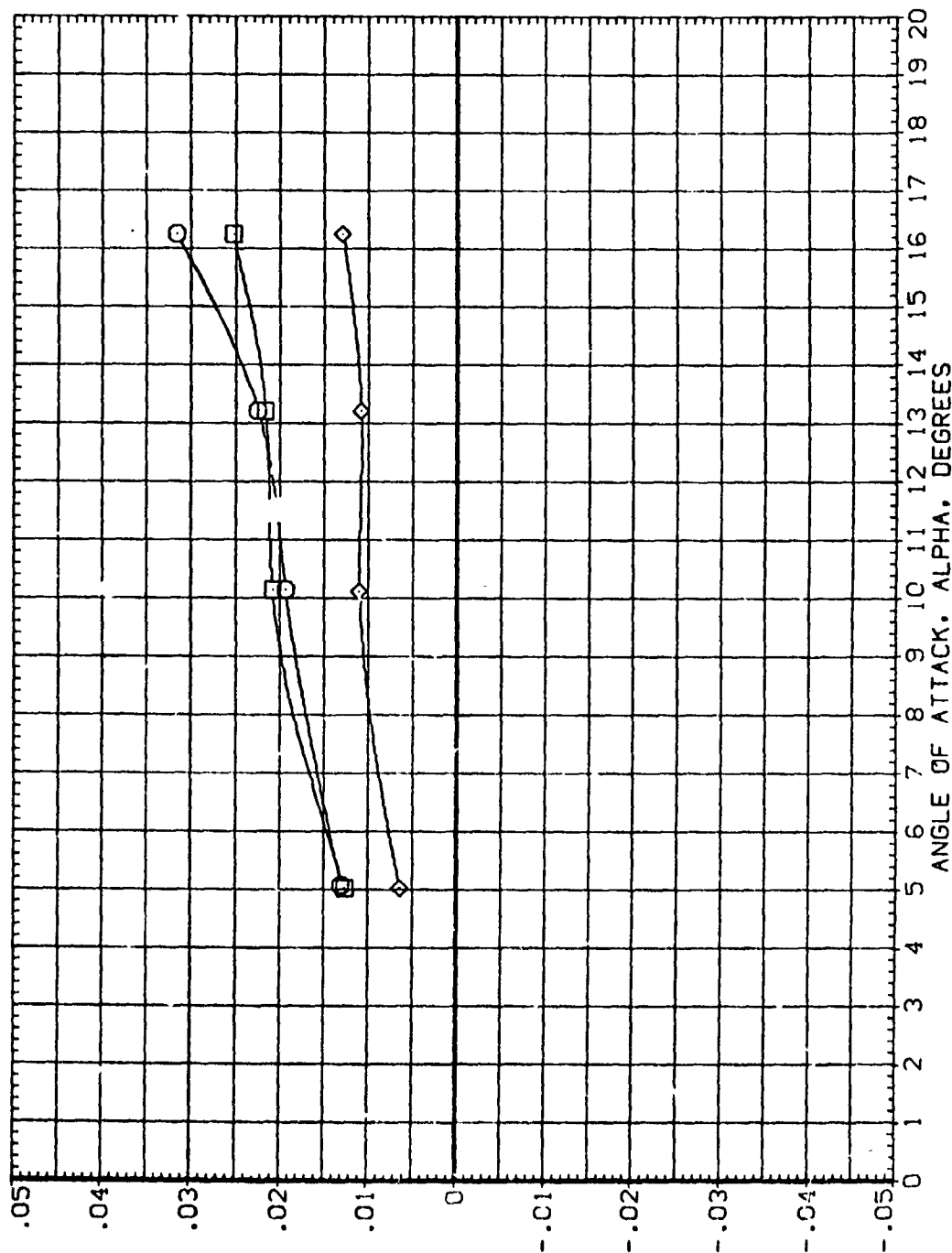


FIG. 7 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF- BETA=-5 AND -10 DEG
(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDCLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	DA69 B26C9G15M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	DA69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	DA69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XREF 43.5974 INCHES
						ZREF 16.2000 INCHES
						SCALE .0405

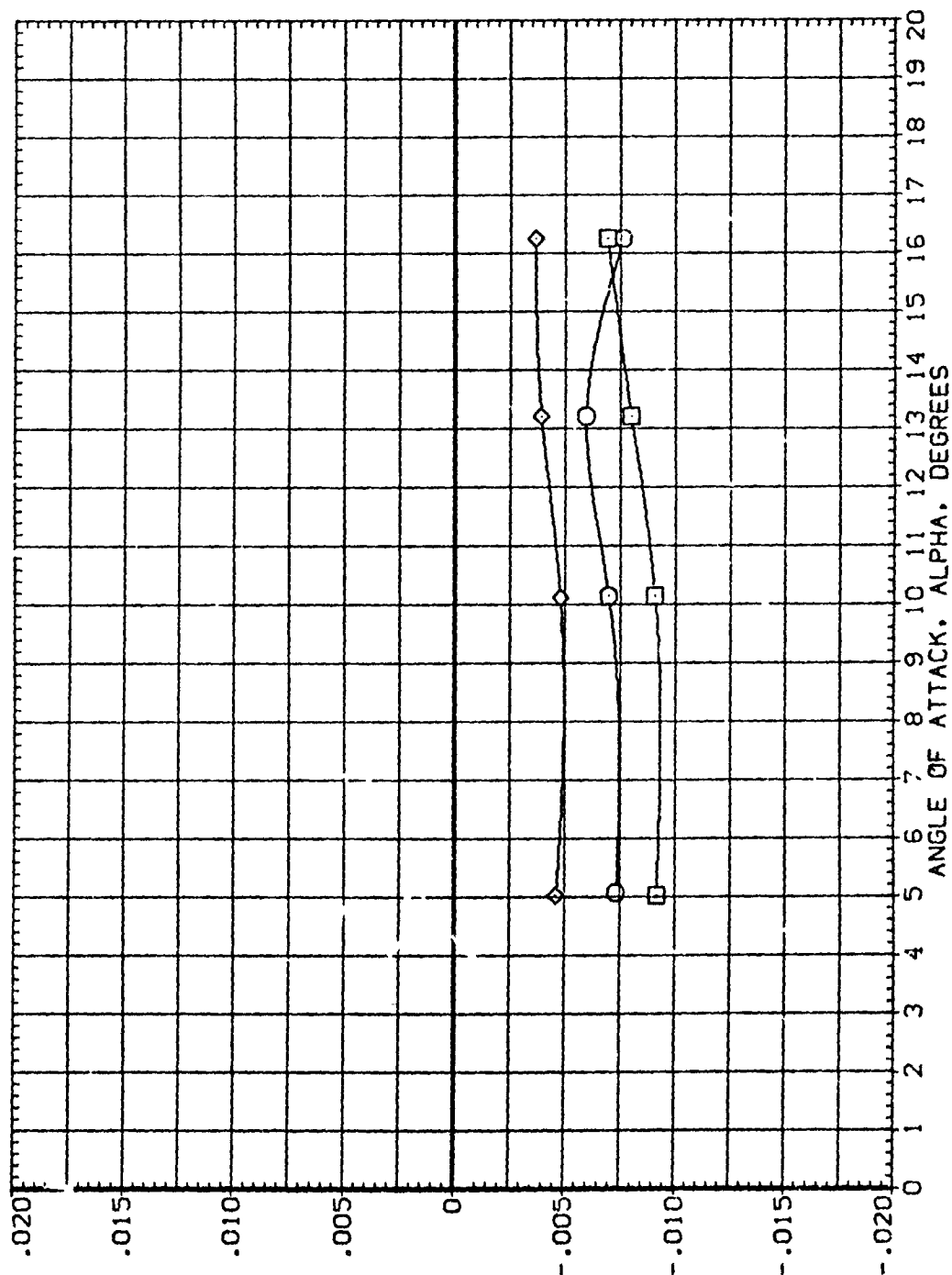


FIG. 7 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF- BETA=-5 AND -10 DEG

(A)MACH = .16

PAGE 33

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R02200)	Q	0A69	B26C91SK7F8	W116E26V8R5X9	.000	-14.250	.000	.000	SREF	4.4119	SO.FT.		
(R02204)	Q	0A69	B26C9	H7F8	.000	-14.250	.000	.000	LREF	52.2570	INCHES		
									BREF	52.2570	INCHES		
									XMPP	43.5974	INCHES		
									YMPP	.0000	INCHES		
									ZMPP	16.2000	INCHES		
									SCALE	.0405	INCHES		

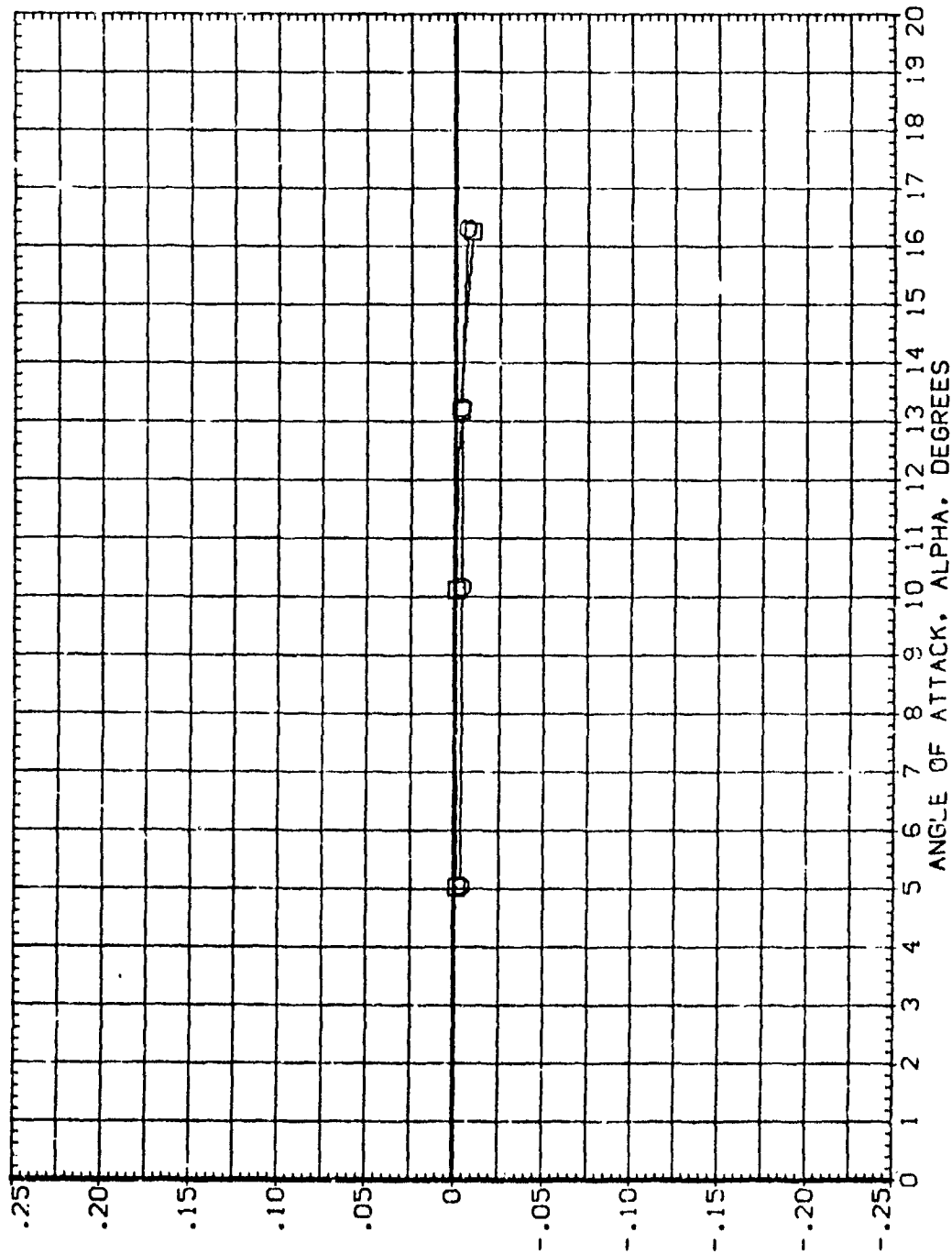


FIG. 8 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BD FLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(RD0200)	0A69 B26C9G15H7F8 W11E26V8R5X9	.000	-14.250	.000	.000	SREF 4.4119 SQ. FT.
(RD0204)	0A69 B26C9 H7F8 W11E26V8R5X9	.000	-14.250	.000	.000	LREF 52.2570 INCHES
						BREF 52.2570 INCHES
						XPRP 43.5574 INCHES
						YPRP .0000 INCHES
						ZPRP 16.2000 INCHES
						SCALE .0405

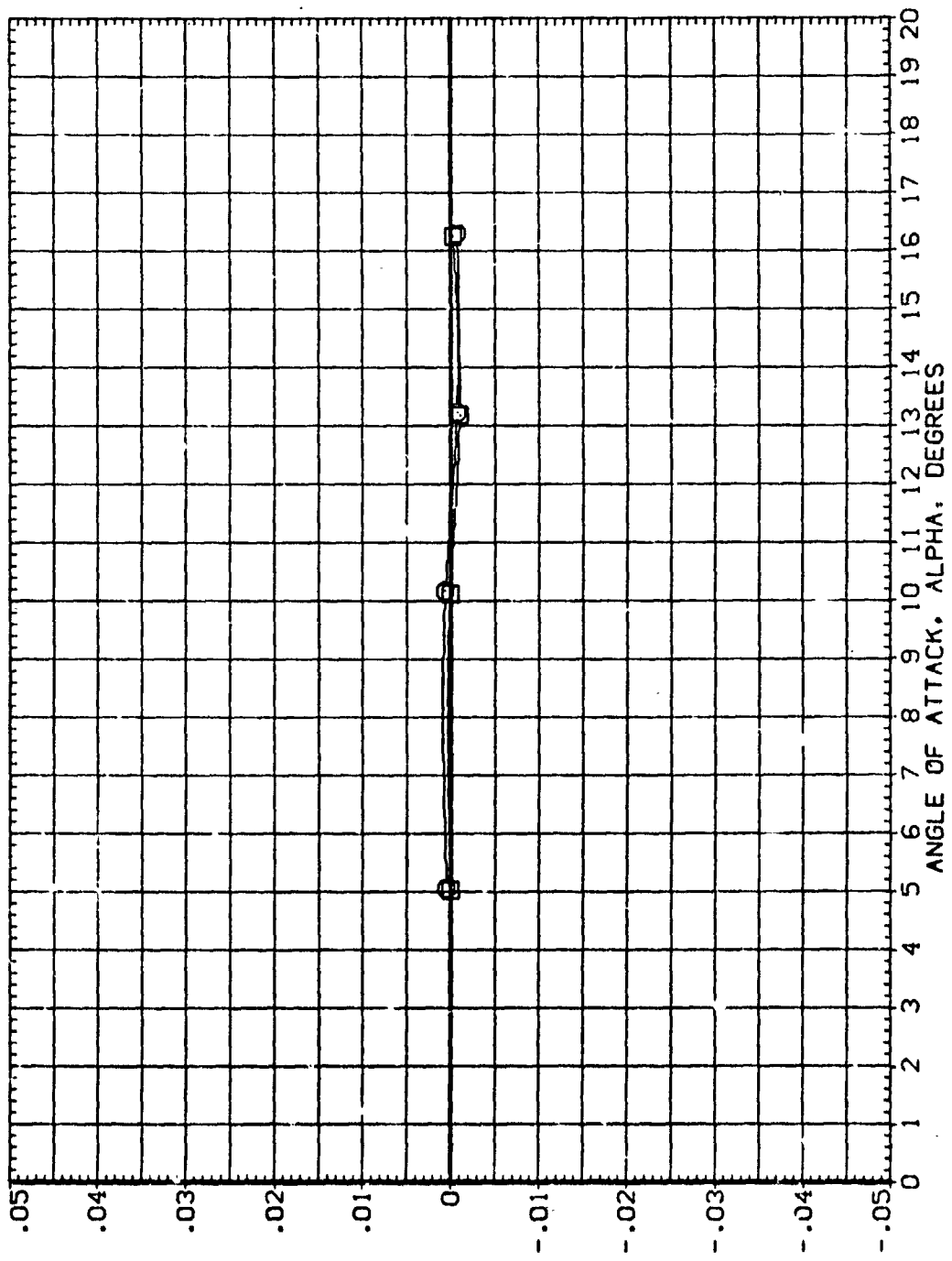


FIG. 8 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A) MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RC0200) 8 0A69 B26C9G1M7F8 V115E26V8R3X9
 (RD2204) 0A69 B26C9 M7F8 V115E26V8R3X9

BETA BDFLAP ELEVON RUDDER
 .000 -14.250 .000 .000
 .000 -14.250 .000 .000

REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 YMRP 43.5974 INCHES
 ZMRP 16.0000 INCHES
 SCALE 16.2000 INCHES
 .0405

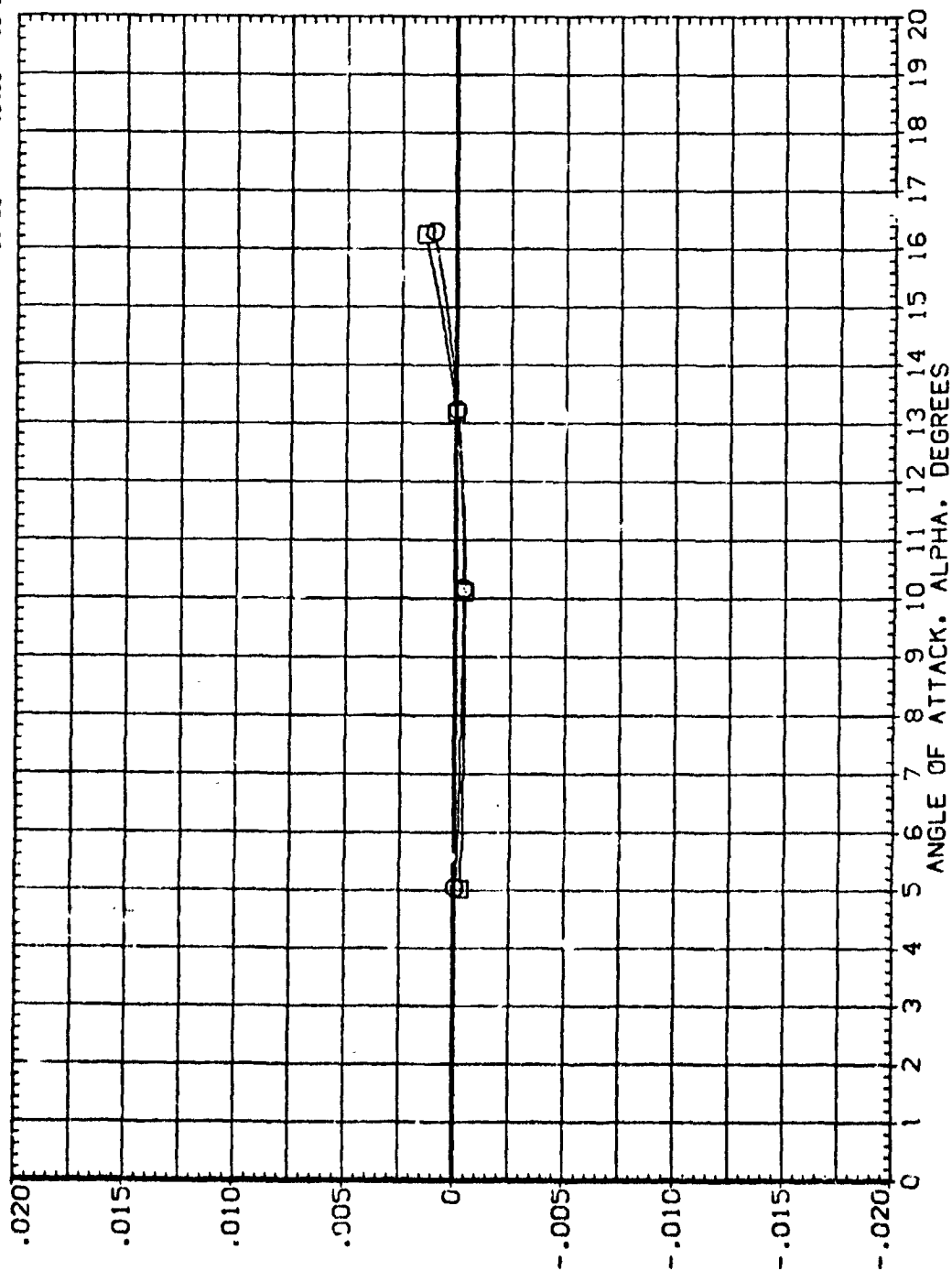


FIG. 8 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A) MACH = .16

DATA SET SYMBOL: 000201
 CONFIGURATION DESCRIPTION: 0A69 B26C9 M7F8 W116E26V8R5X9
 0A69 B26C9 M7F8 W116E26V8R5X9

BETA: 10.000
 RUDDER: .000
 ELEVON: .000
 BOFLAP: -14.250

REFERENCE INFORMATION:
 SREF: 4.4119 SQ. FT.
 LREF: 52.2570 INCHES
 BREF: 52.2570 INCHES
 YMRP: 43.5874 INCHES
 ZMRP: .0000 INCHES
 SCALE: 16.2000 INCHES
 .0405

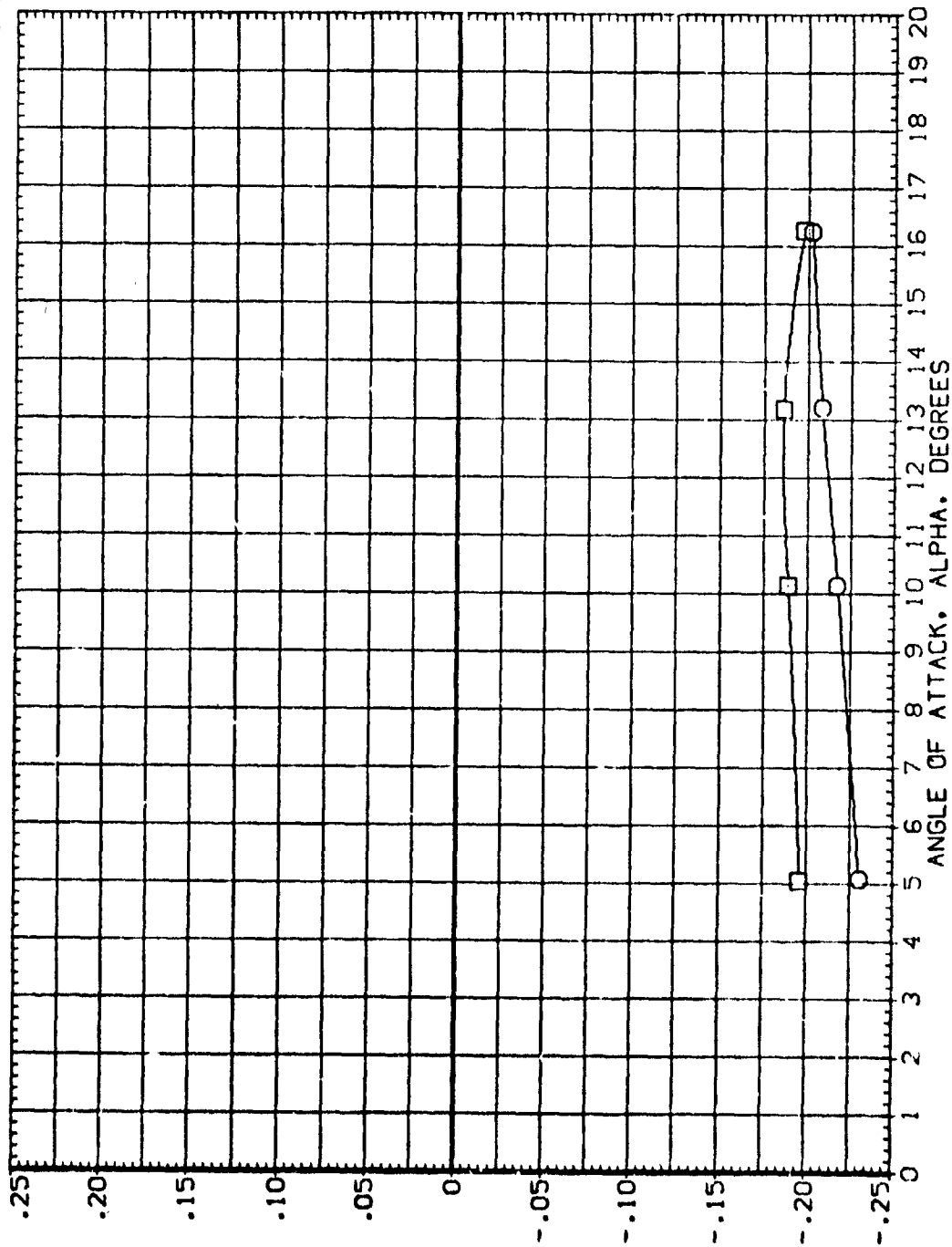


FIG. 9 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A) MACH = .16

DATA SET SYMBOL (R00201) (R00205) B
 CONFIGURATION DESCRIPTION
 0A69 B26C91M7F8 W116E26V8RSX9
 0A69 B26C9 M7F8 W116E26V8RSX9

BETA 10.000
 10.000
 10.000
 RUDDER .000
 .000
 .000
 ELEVON .000
 .000
 .000
 BOFLAP -14.250
 -14.250
 -14.250
 REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405

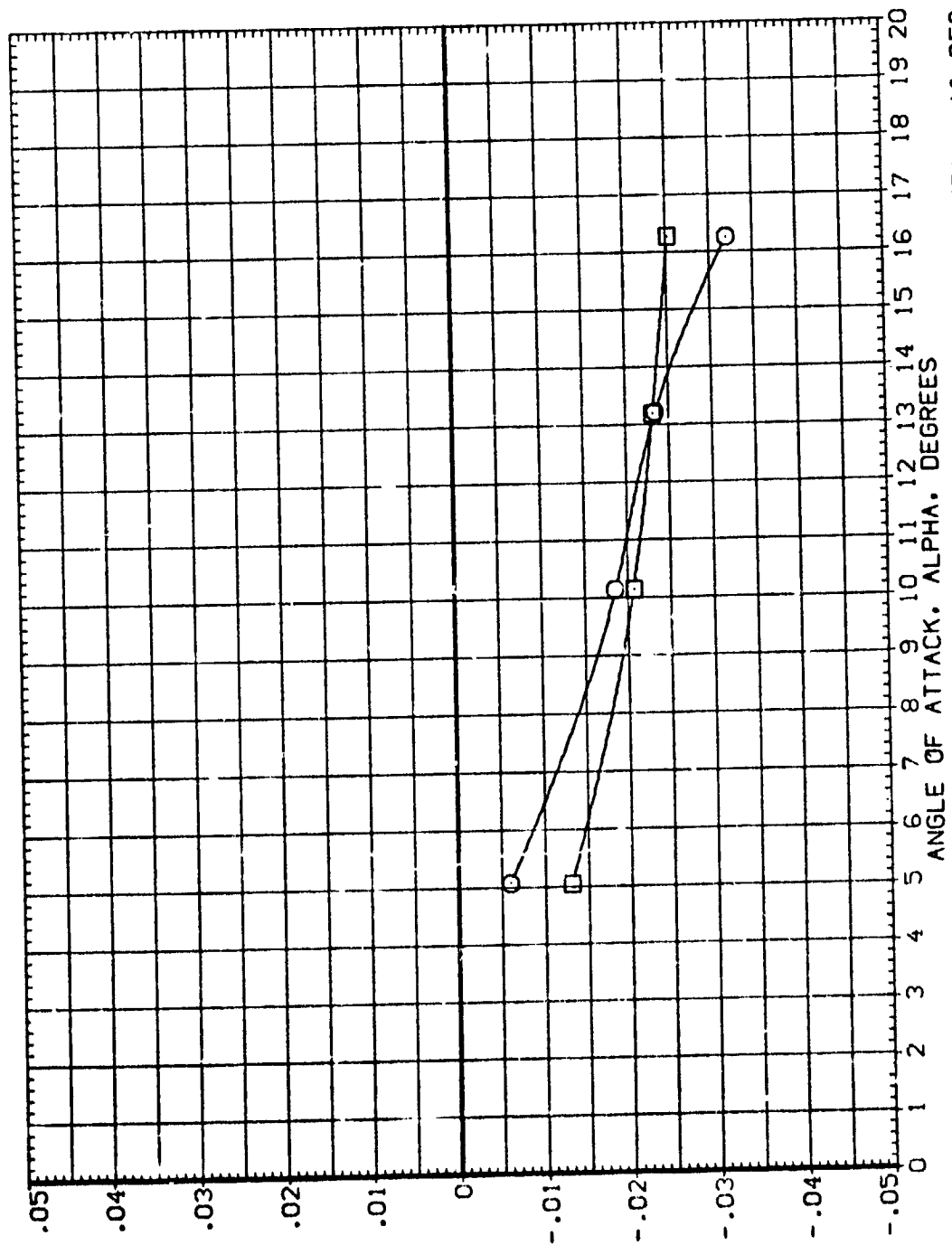


FIG. 9 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.
 (A)MACH = .16 PAGE 38

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

DATA SET SYMBOL (RQJ201) (RQJ205) B

CONFIGURATION DESCRIPTION QAG9 B26C9B15M7F8 W11626V8P5X3 QAG9 B26C9 M7F8 W11626V8P5X3

BETA 10.000 10.000

BDRAP -14.250 -14.250

ELEVON .000 .000

RUDDER .000 .000

REFERENCE INFORMATION

SREF	4.419	SQ.FT.
LREF	52.2570	INCHES
BREF	52.2570	INCHES
XMRP	43.5974	INCHES
YMRP	.0000	INCHES
ZMRP	16.2000	INCHES
SCALE	.0405	INCHES

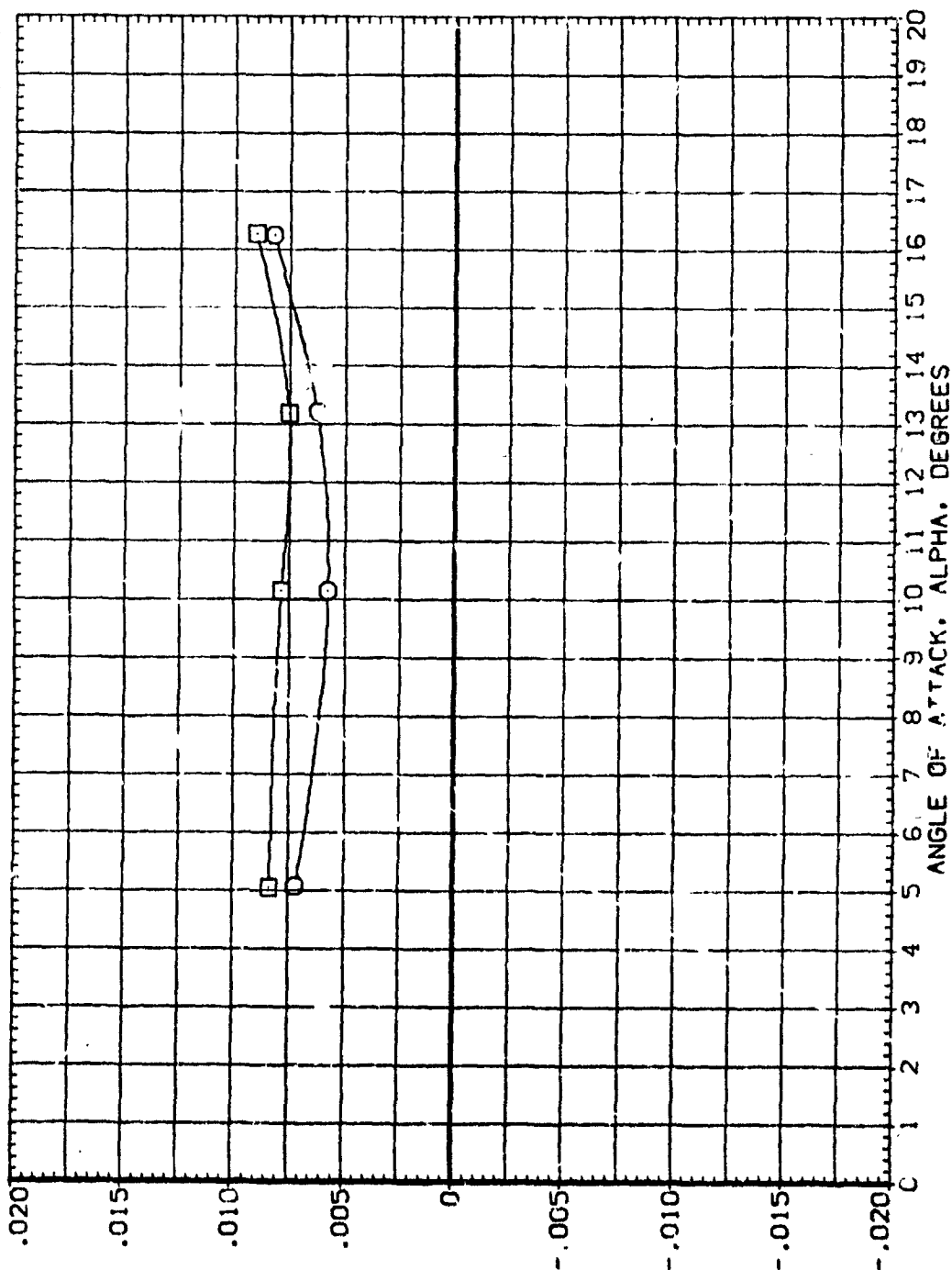


FIG. 9 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.
(A)MACH = .16

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

826C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB03)

0-2

SYMBOL	ALPHA		PHI		BETA		PARAMETRIC VALUES	
	-2.980	.020	.000	.000	-10.060	.000	ELEVON	RUDDER
□	10.090	13.190					BDFLAP	BETA
◇	16.220							
△								
▽								
◊								

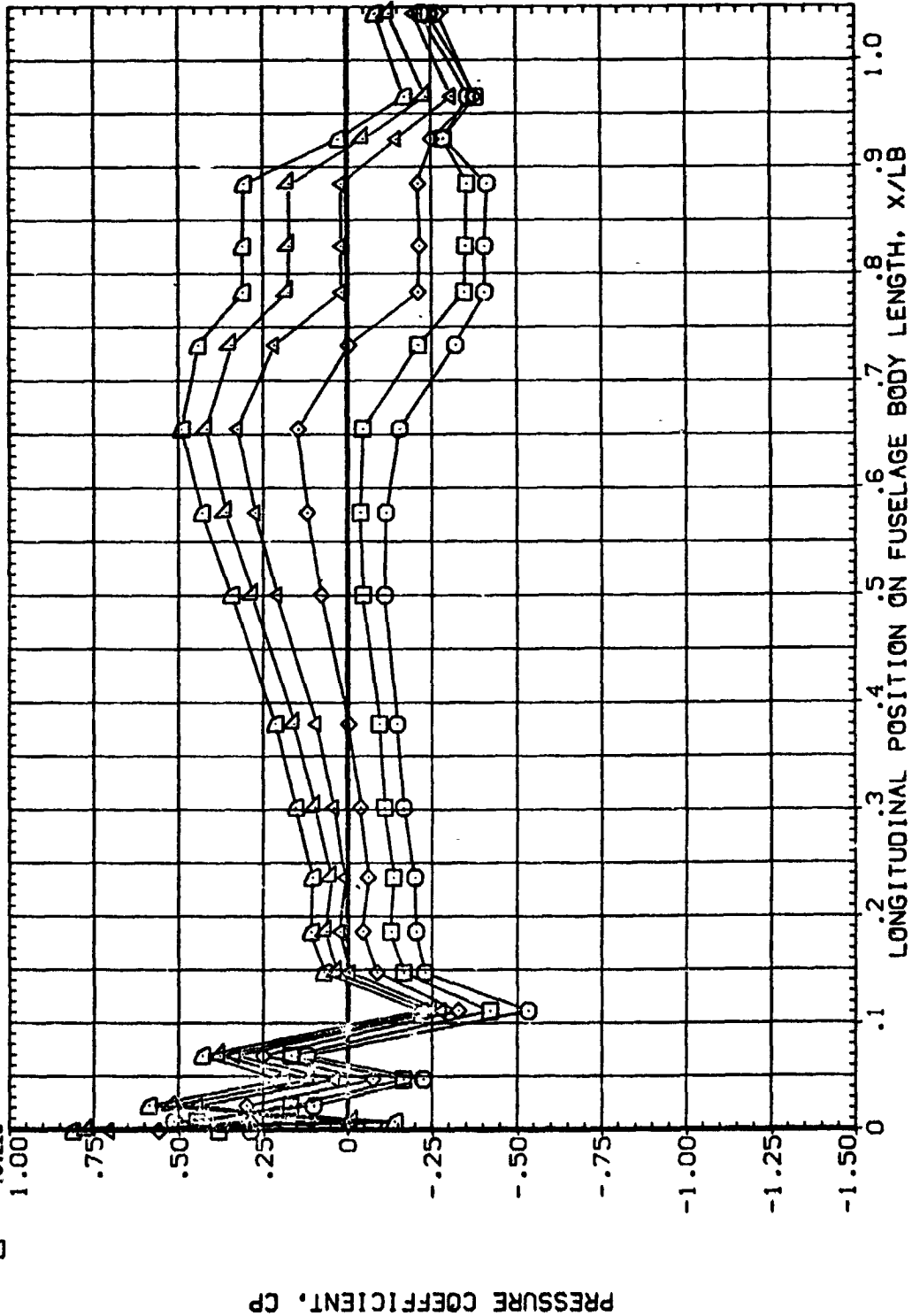


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDC803)

SYMBOL	ALPHA		PHI	BETA	PARAMETRIC VALUES		
	-2.980	.020	20.000	-10.060	ELEVON	.000	RUDDER
□	5.020	10.090			BDFLAP	-14.250	BETA
◇	13.190	16.220					-10.000

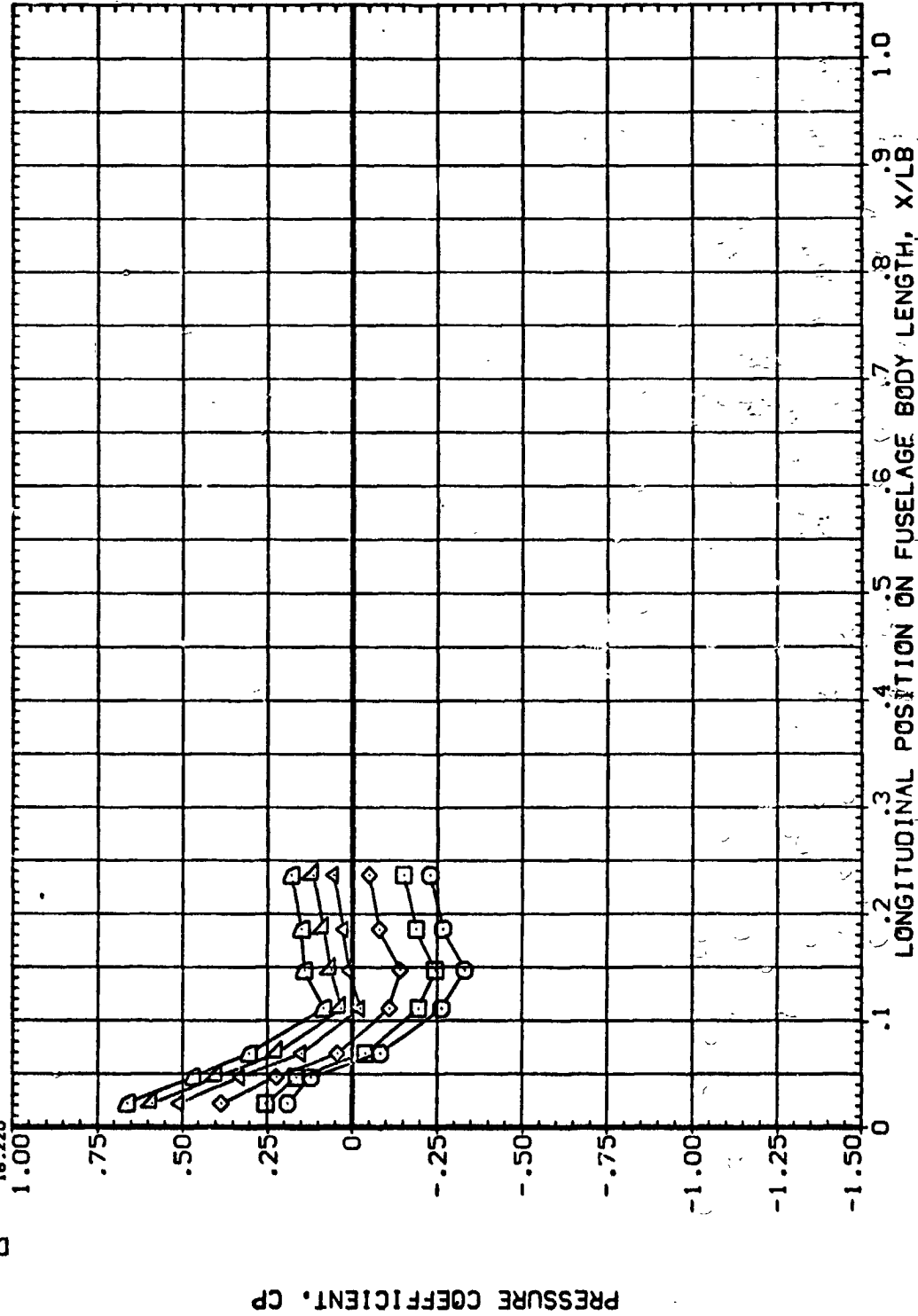


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(RDQB03)

B26C9G15M7F6W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

PHI 40.000 BETA -10.060

ALPHA -2.980
.020
5.020
10.090
13.190
16.220

SYMBOL
◇
▽
△
□
○

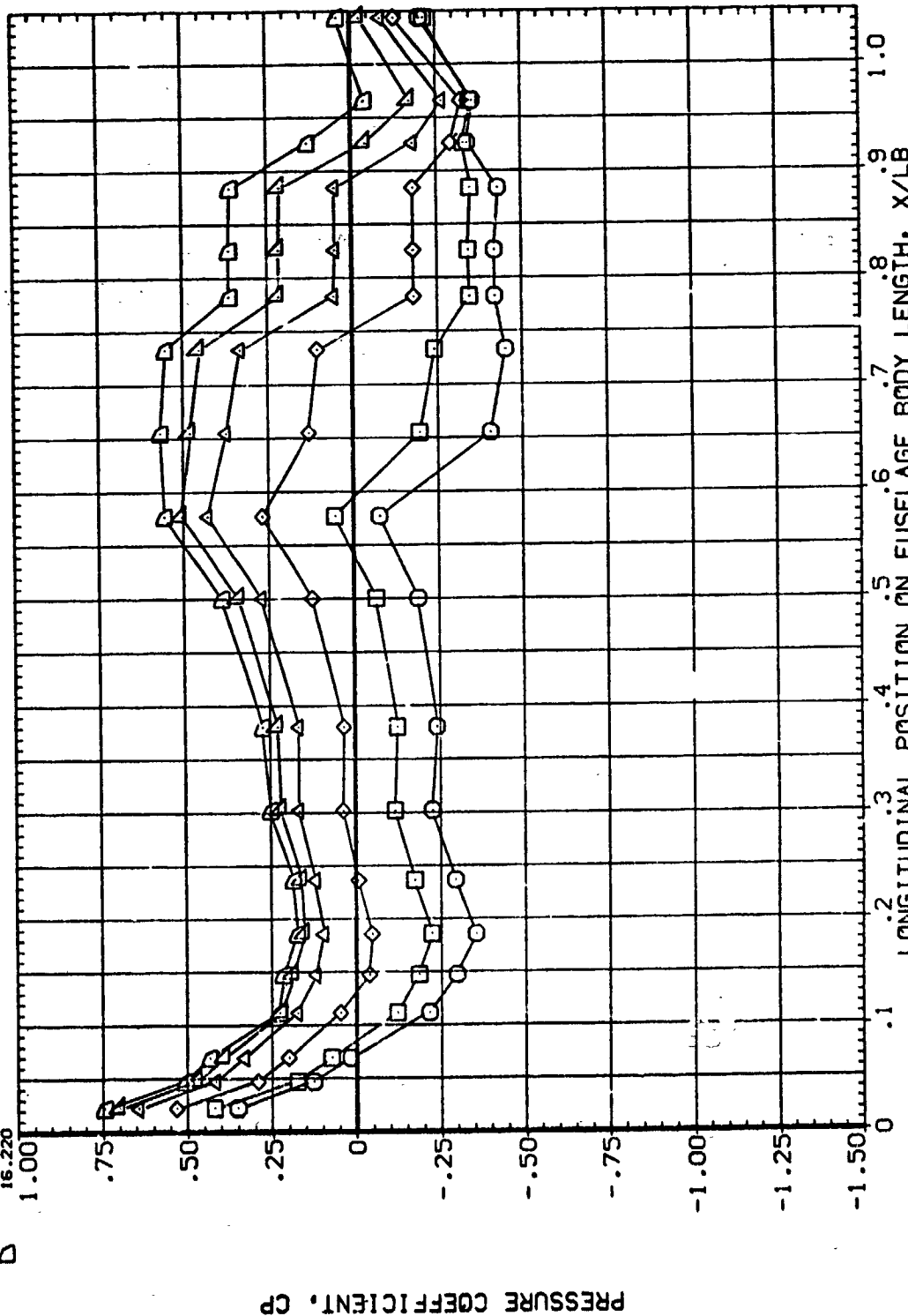


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G:SM7F8W116E26V8R5X9 LEFT FUSELAGE

(RQGB03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

PHI BETA
55.000 -10.060

ALPHA
1.980
.020
5.020
10.090
13.190
16.220

SYMBOL
○ □ ◇ △ ▽

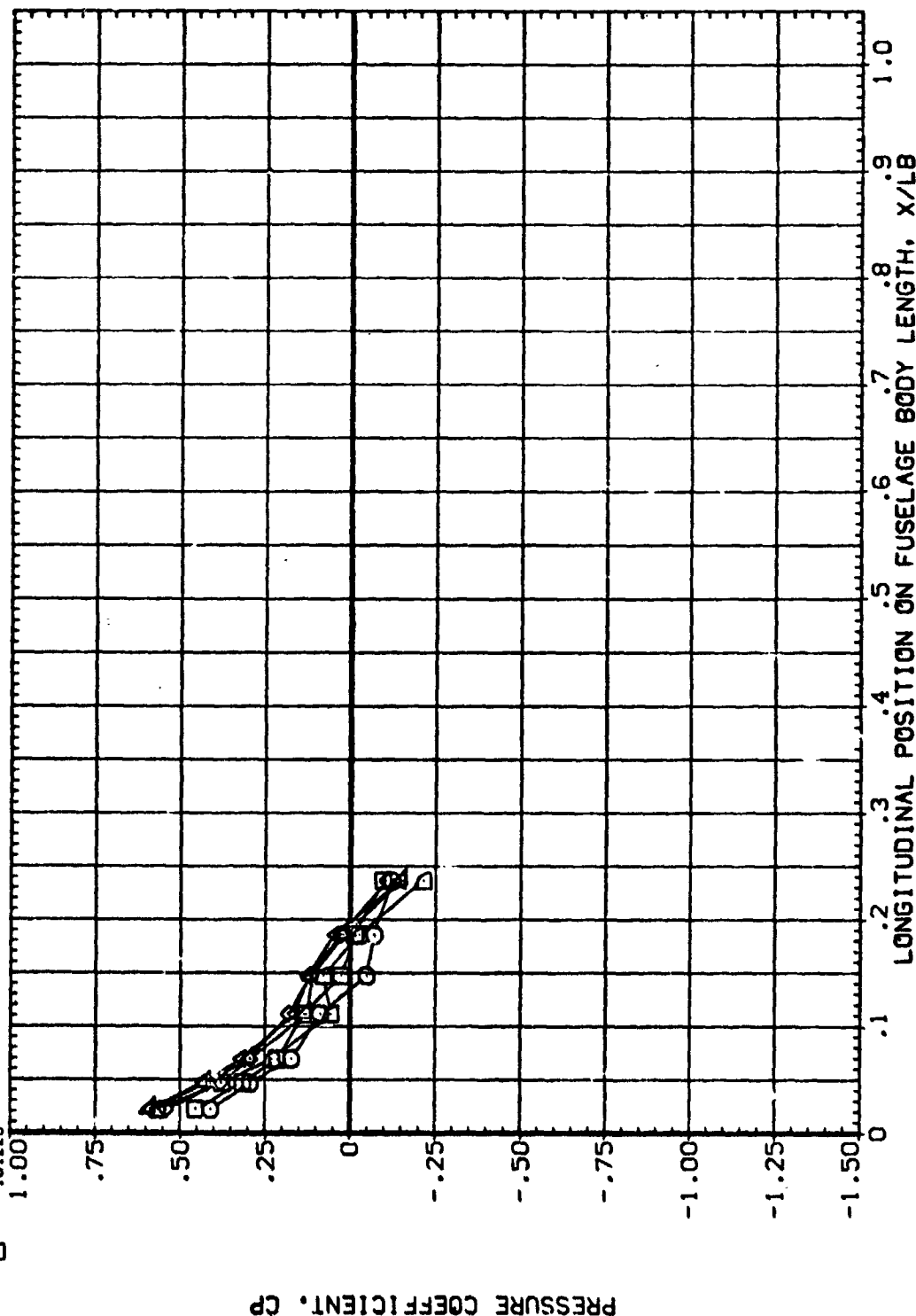


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

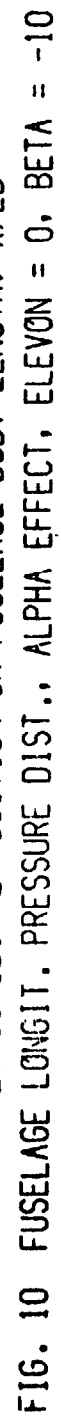
(RDQ303)

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

ALPHA	PHI	BETA
-2.980	70.000	-10.060

PARAMETRIC VALUES	
ELEVON	.000 RUDDER
BDFLAP	-14.250 BETA

-10,000
000.



PAGE 44

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 90.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

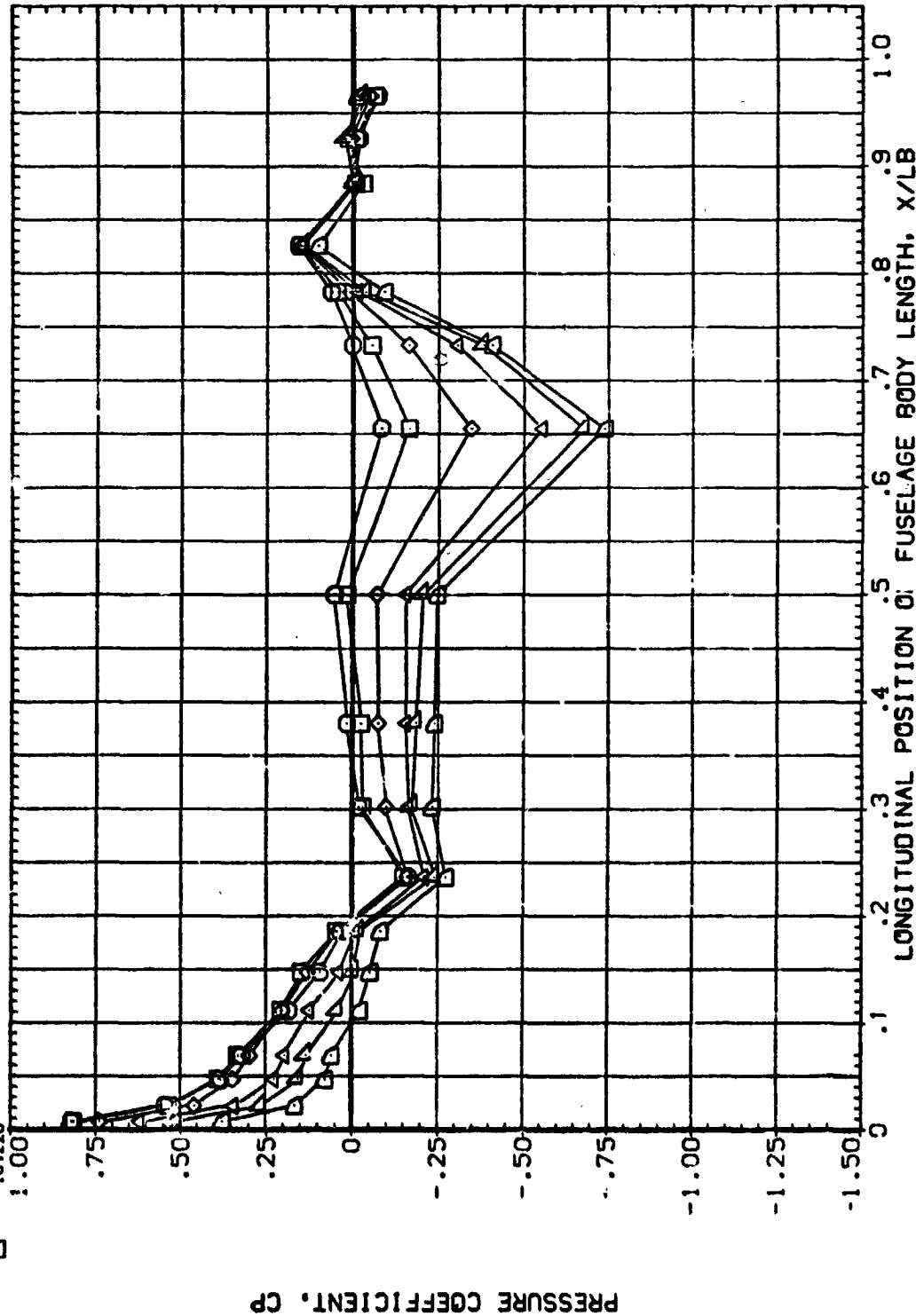


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RQGB03)

SYMBOL
□◇△▽

ALPHA	PHI	BETA
-2.980	105.000	-10.060
.020		
5.020		
10.090		
13.190		
16.220		

PARAMETRIC VALUES		
ELEVON	.000	RUDDER
BDFLAP	-14.250	BETA
		-10.000

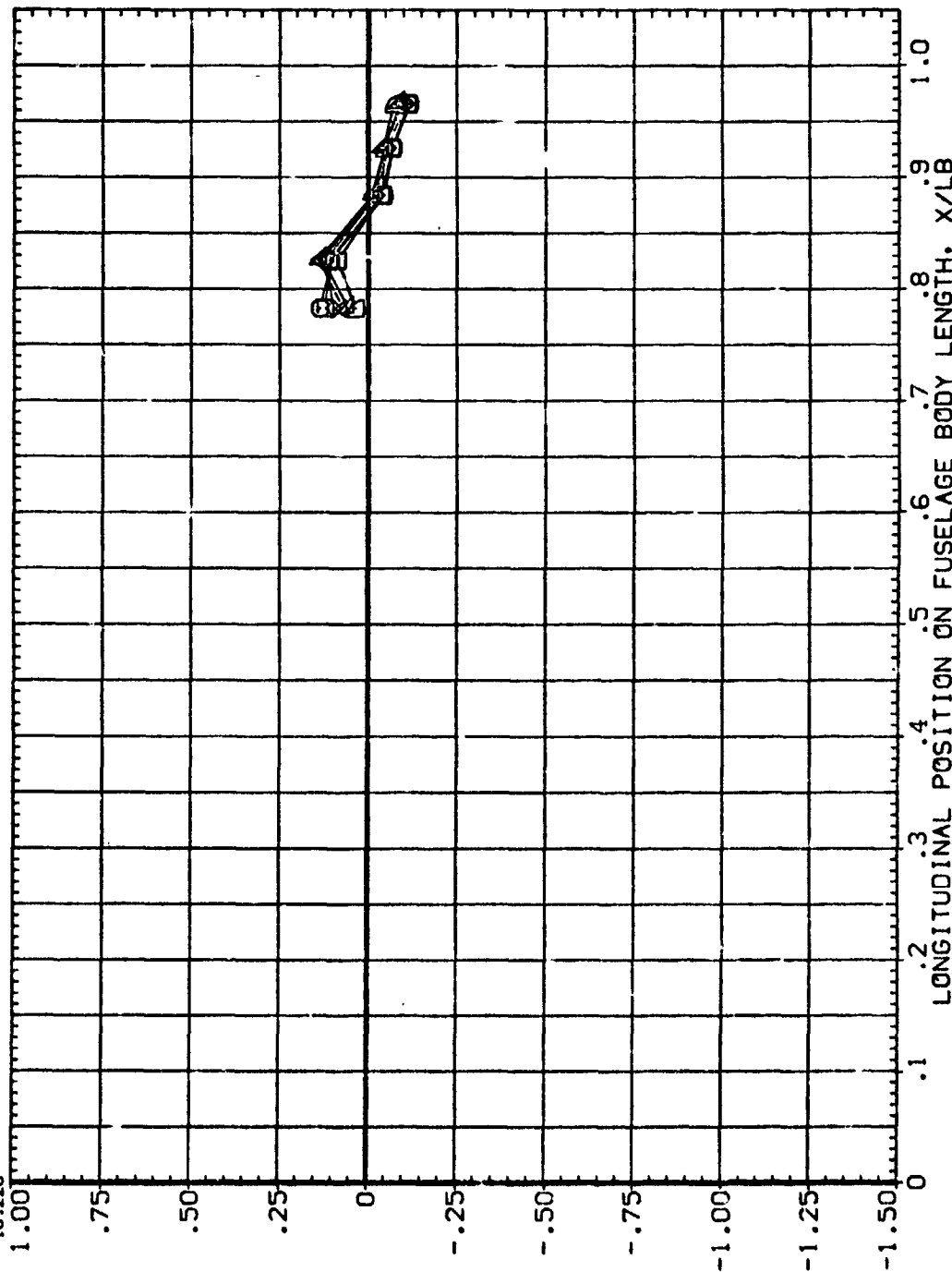


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

PHI BETA
120.000 -10.060

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

SYMBOL
◇ △ □ ○

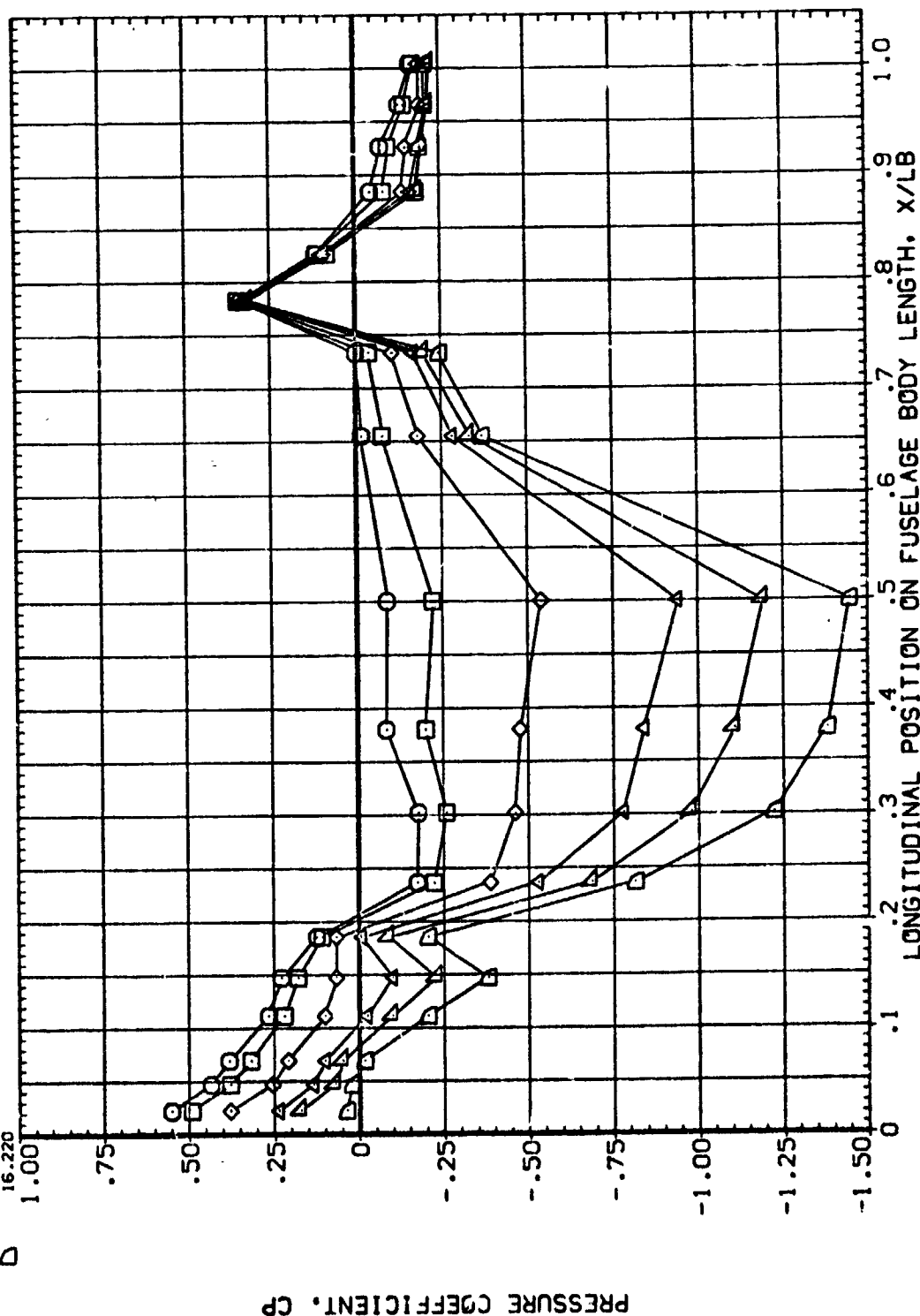


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(RD0803)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

PHI BETA
135.000 -10.060

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

PRESSURE COEFFICIENT, CP

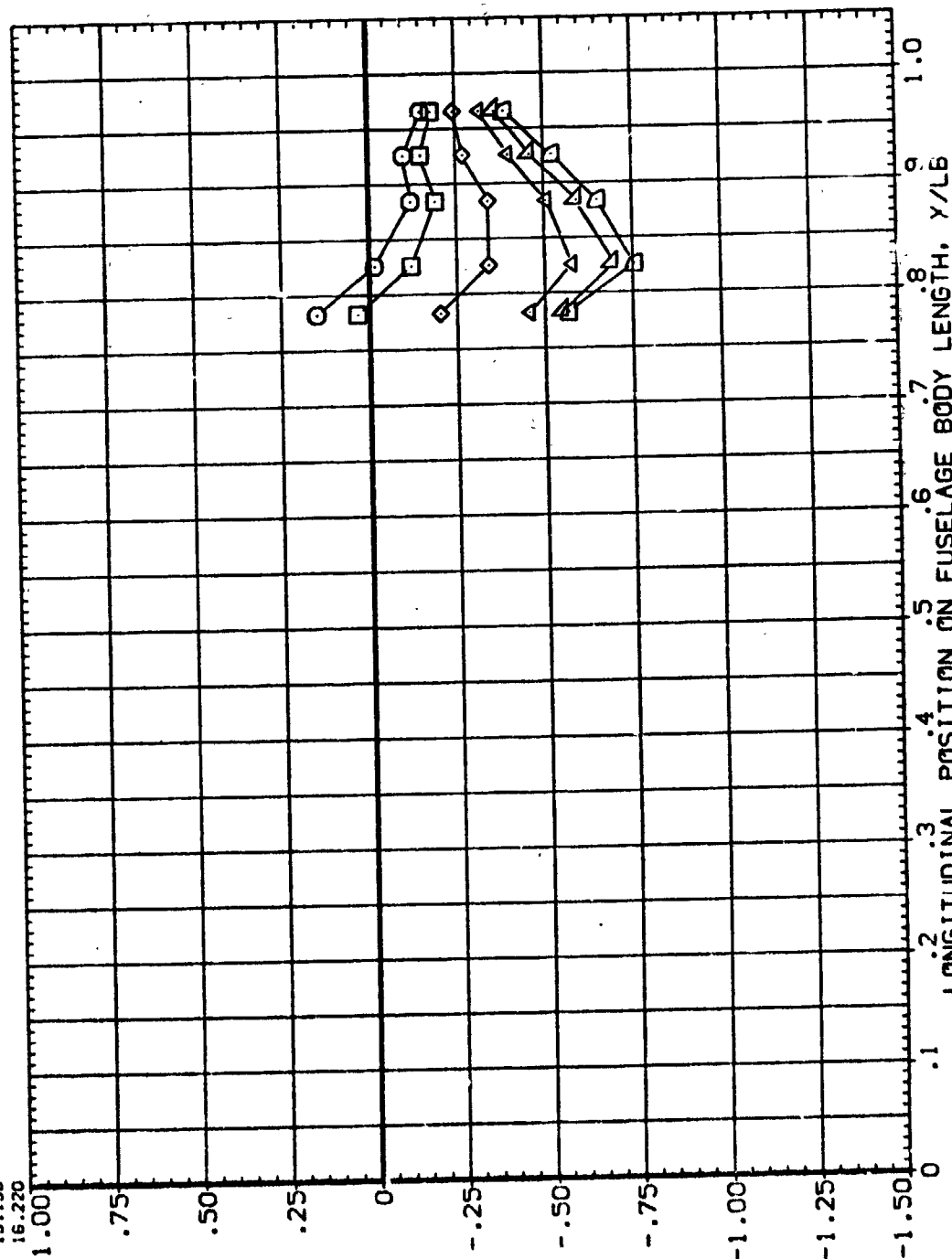


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB03)

SYMBOL	ALPHA	PHI	RETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.980	150.000	-10.060	.000	.000	-10.000
◇	.020			-14.250		
△	5.020					
▽	10.090					
○	13.190					
◻	16.220					

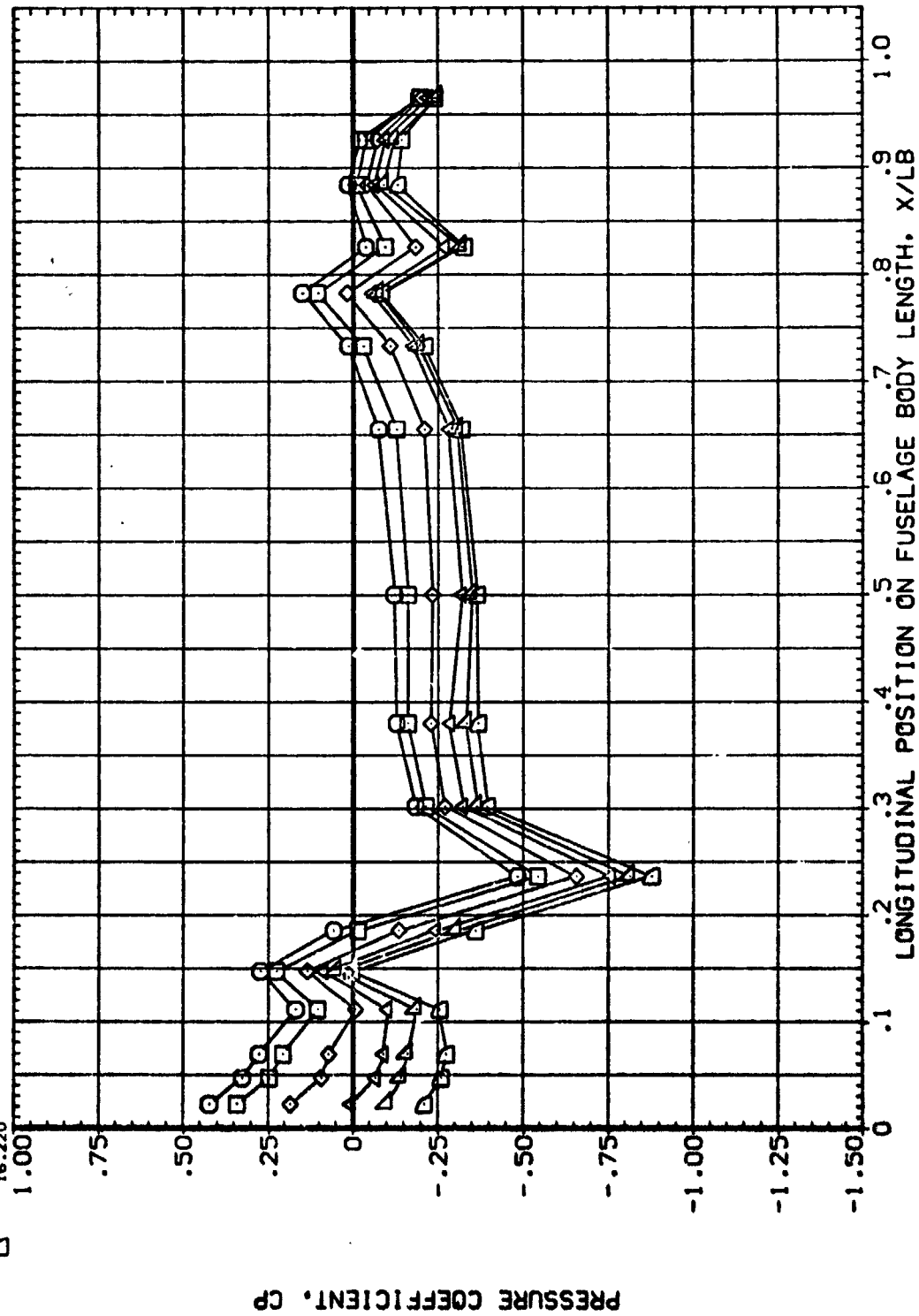


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(R00803)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
60FLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.900 165.000 -10.060
-0.000
5.000
10.000
15.100
16.200

SYMBOL
□ ◇ ○ △ ▽

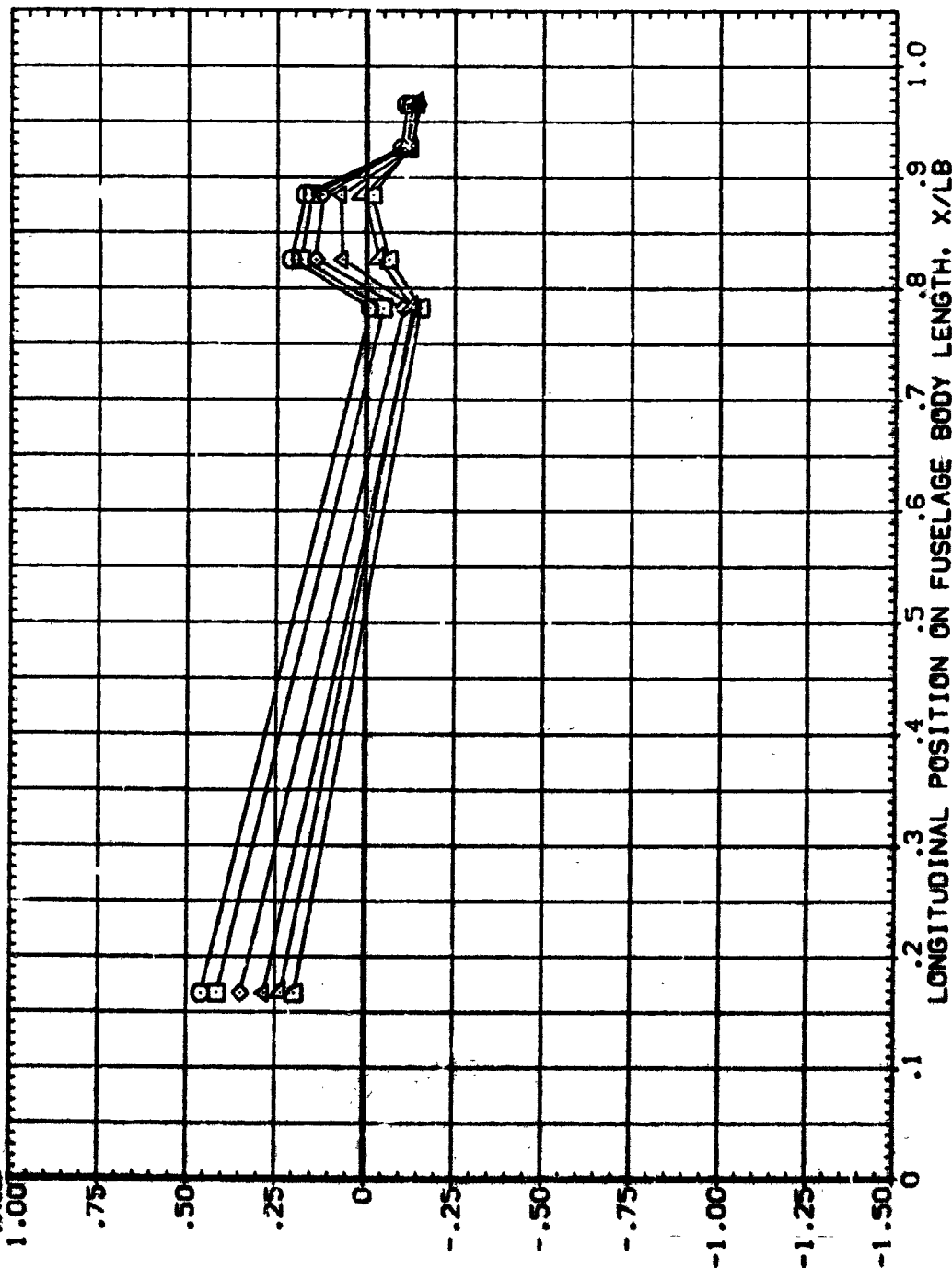


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE (R00803)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

ALPHA 0.000 BETA -10.000
0.000 100.000
5.000
10.000
15.000
20.000
25.000

000440

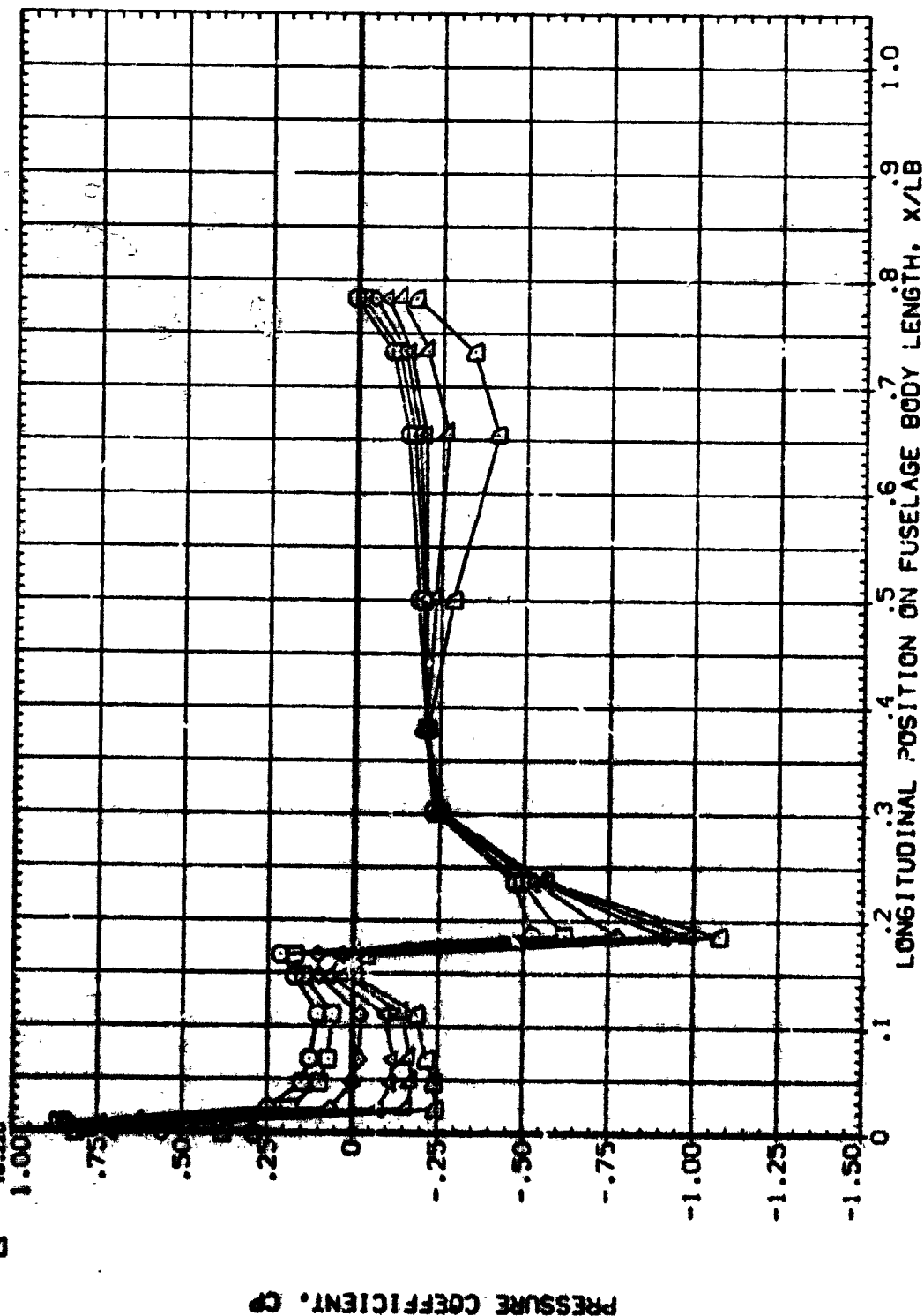


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(continued)

00444

ALPHA	BETA
-2.950	-0.010

PARAMETRIC VALUES	
ELEVGN	.000 RUDDER
BOFLAP	-14.250 BETA

0000

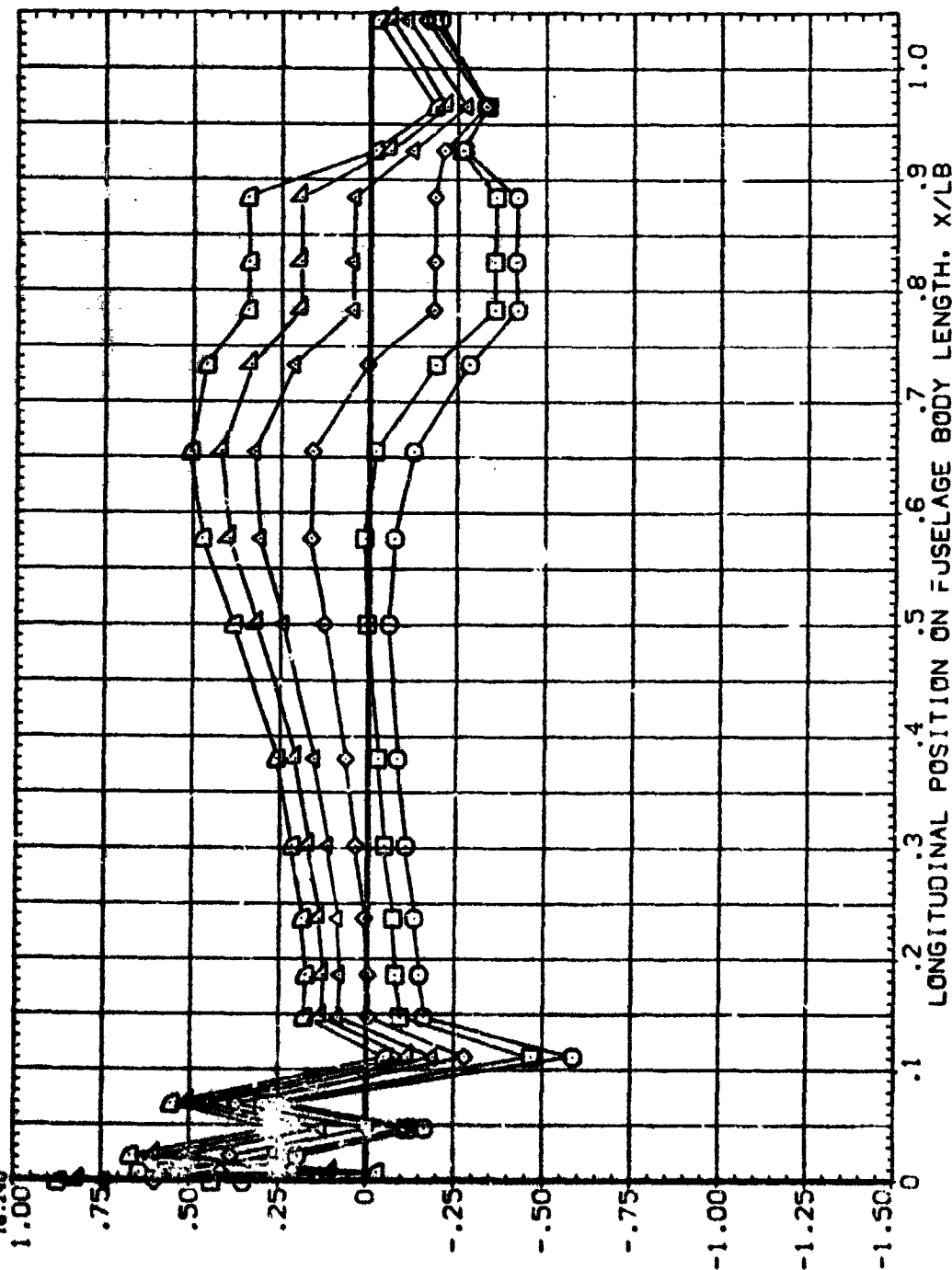


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0Q804)

SYMBOL	ALPHA	PHI	ETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.950	20.000	-.010	.000	.000	.000
◇	.050			-14.250		
△	5.030					
▽	10.100					
▽	13.220					
▽	16.240					

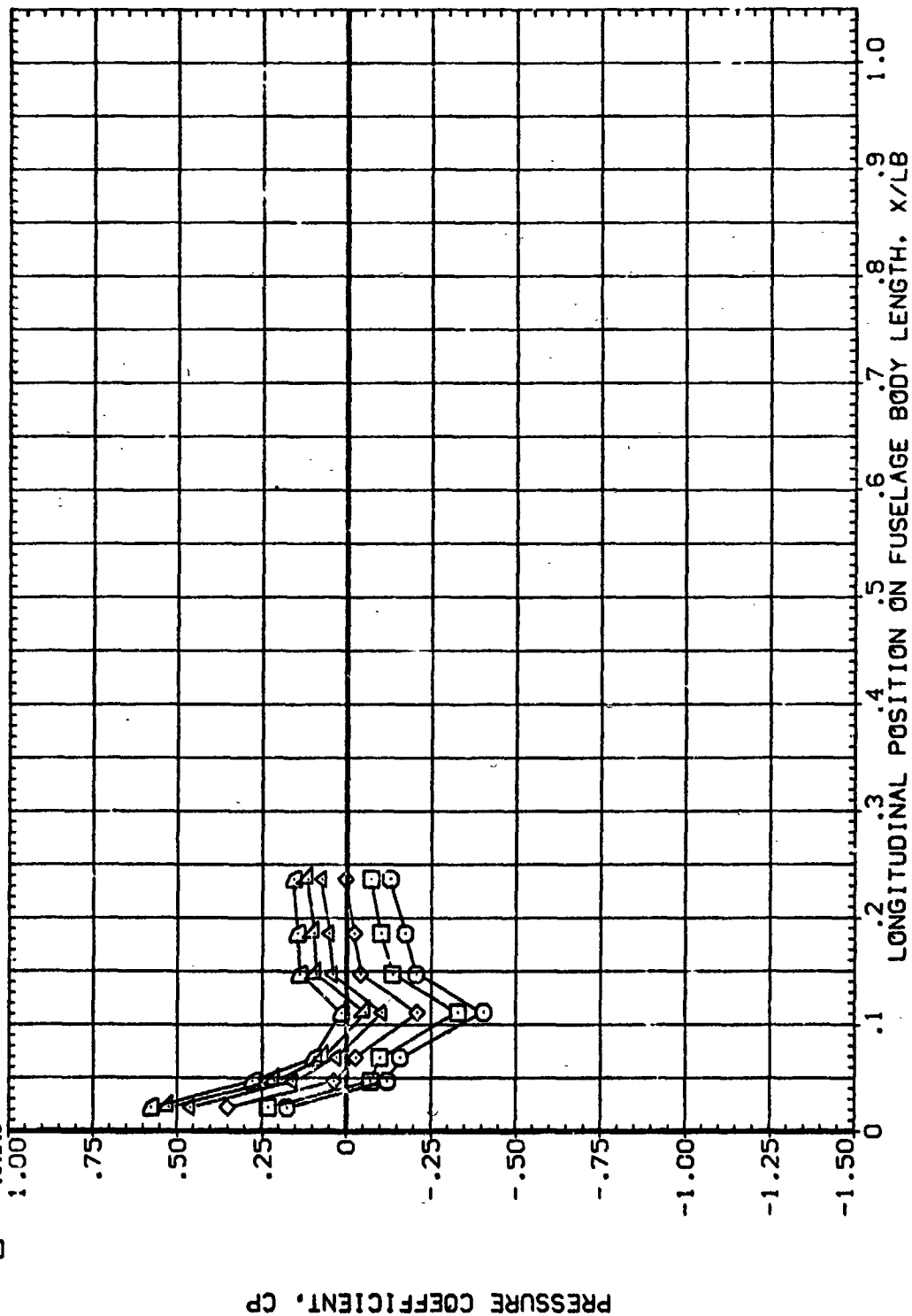


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(R00B04)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA

ALPHA PHI BETA
-2.950 40.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹ ▸

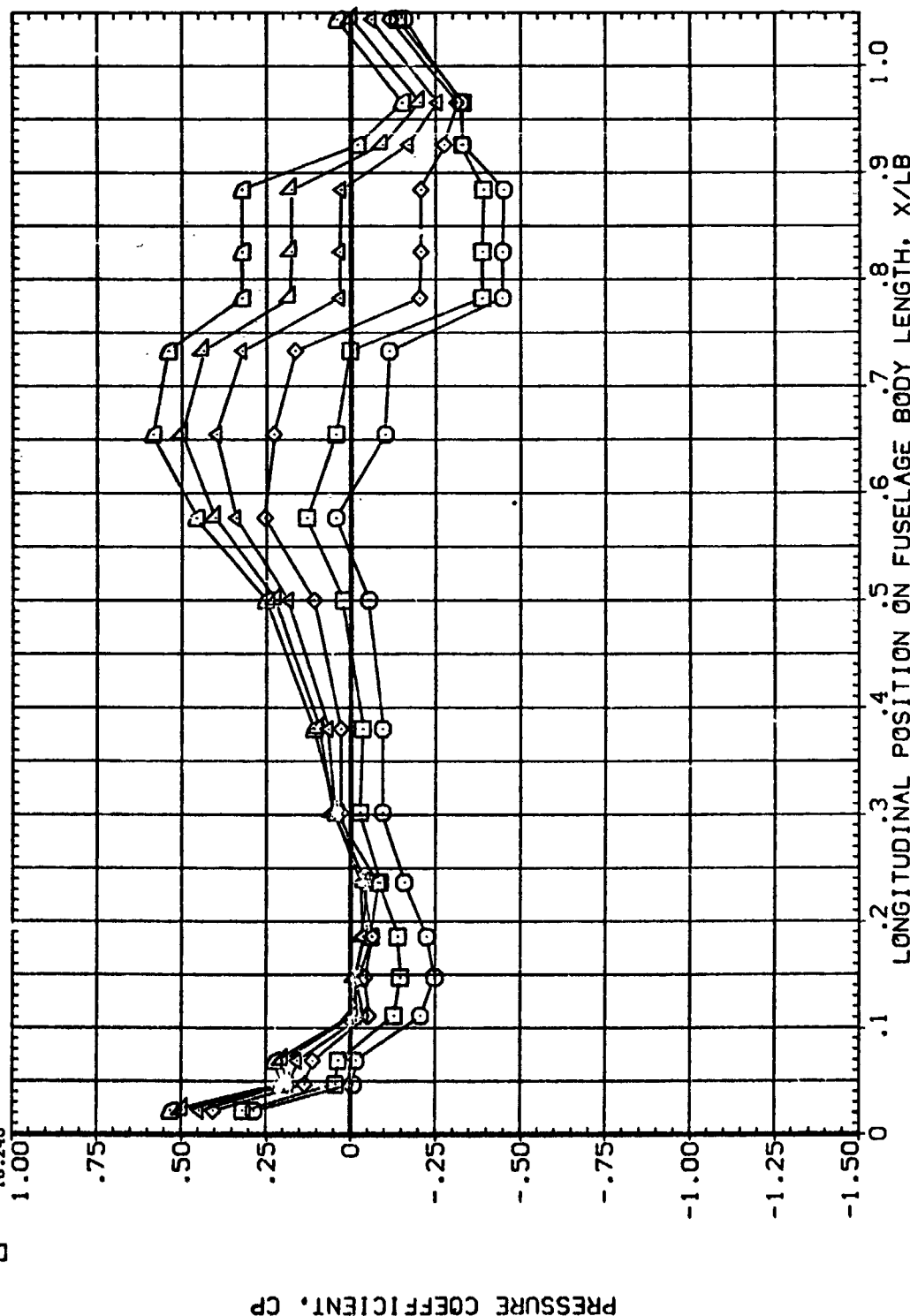


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

SYMBOL
 ▽ ▴ ◊ □

ALPHA
 -2.950
 .050
 5.030
 10.100
 13.220
 16.240

PHI
 55.000

BETA
 -.010

ELEVON
 BDFLAP

PARAMETRIC VALUES
 .000 RUDDER
 -14.250 BE^{TA}

.000
 .000

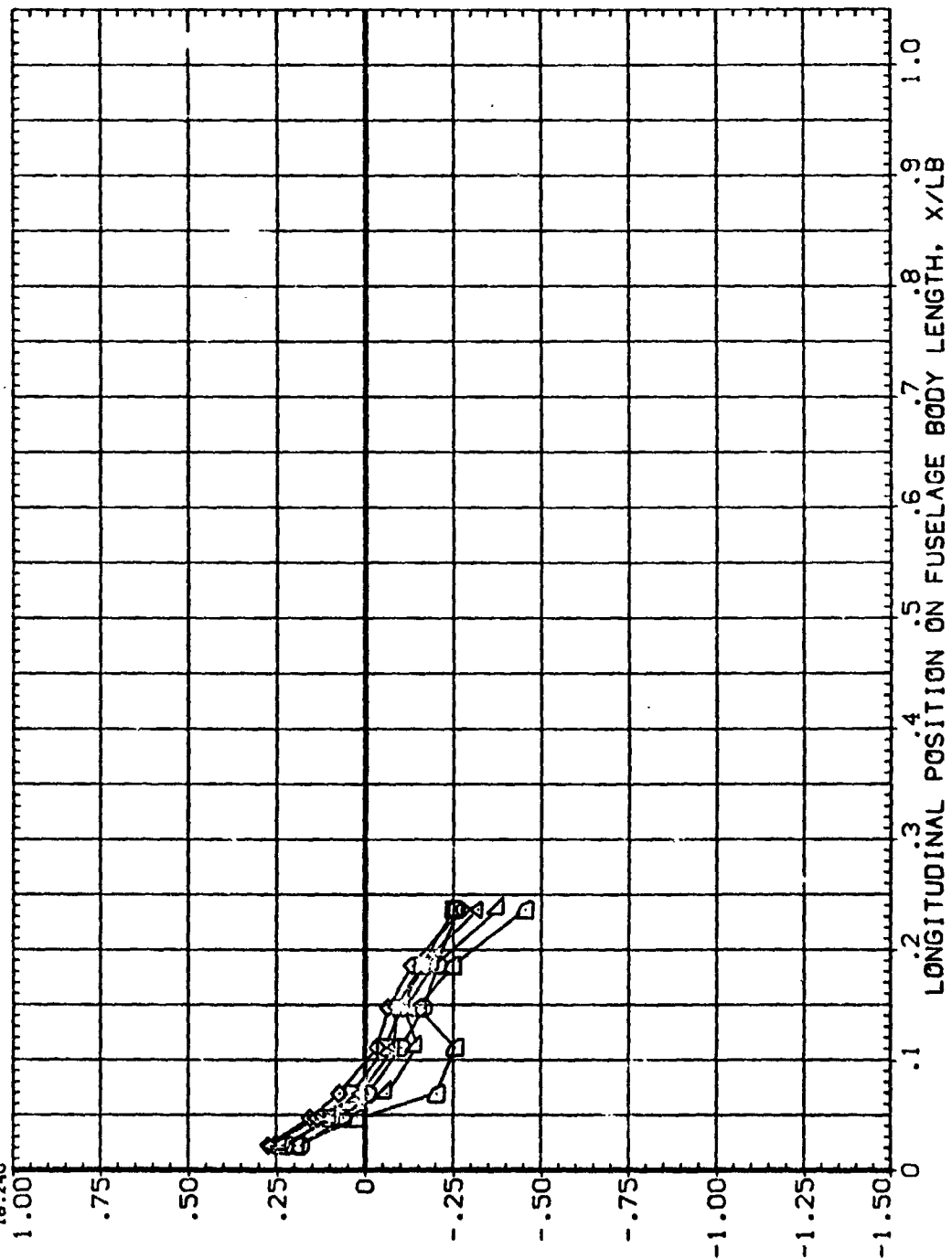


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00804)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA PHI BETA
-7.950 70.000 -.010
-.050
5.030
10.100
13.220
16.240

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDELAP -14.250 BETA .000

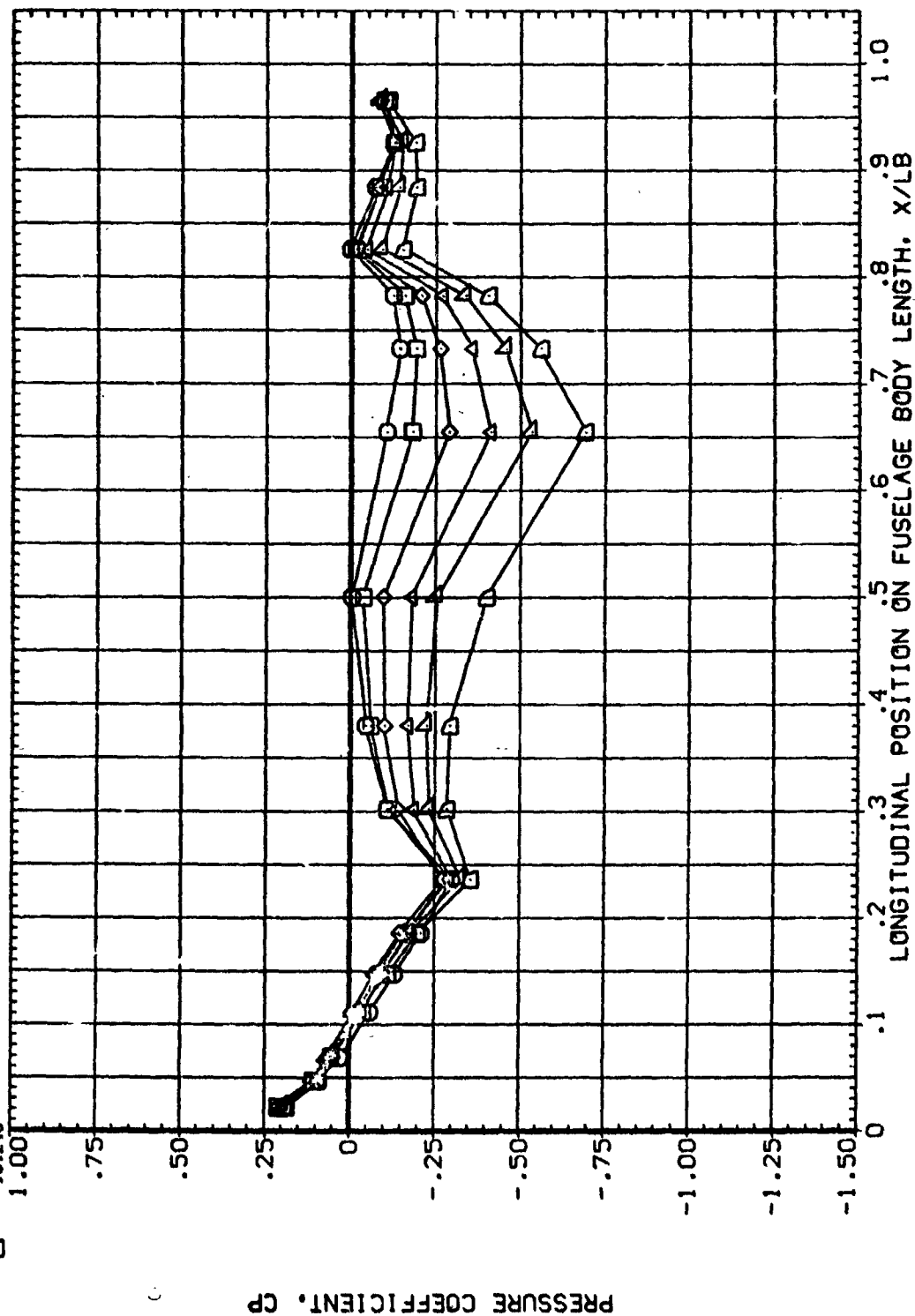


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(R00804)

A_PHA	PHI	BETA
-2.950	90.000	-0.010

PARAMETRIC VALUES		
ELEVON	.030	RUDDER .000
BOFLAP	-14.250	BETA .000

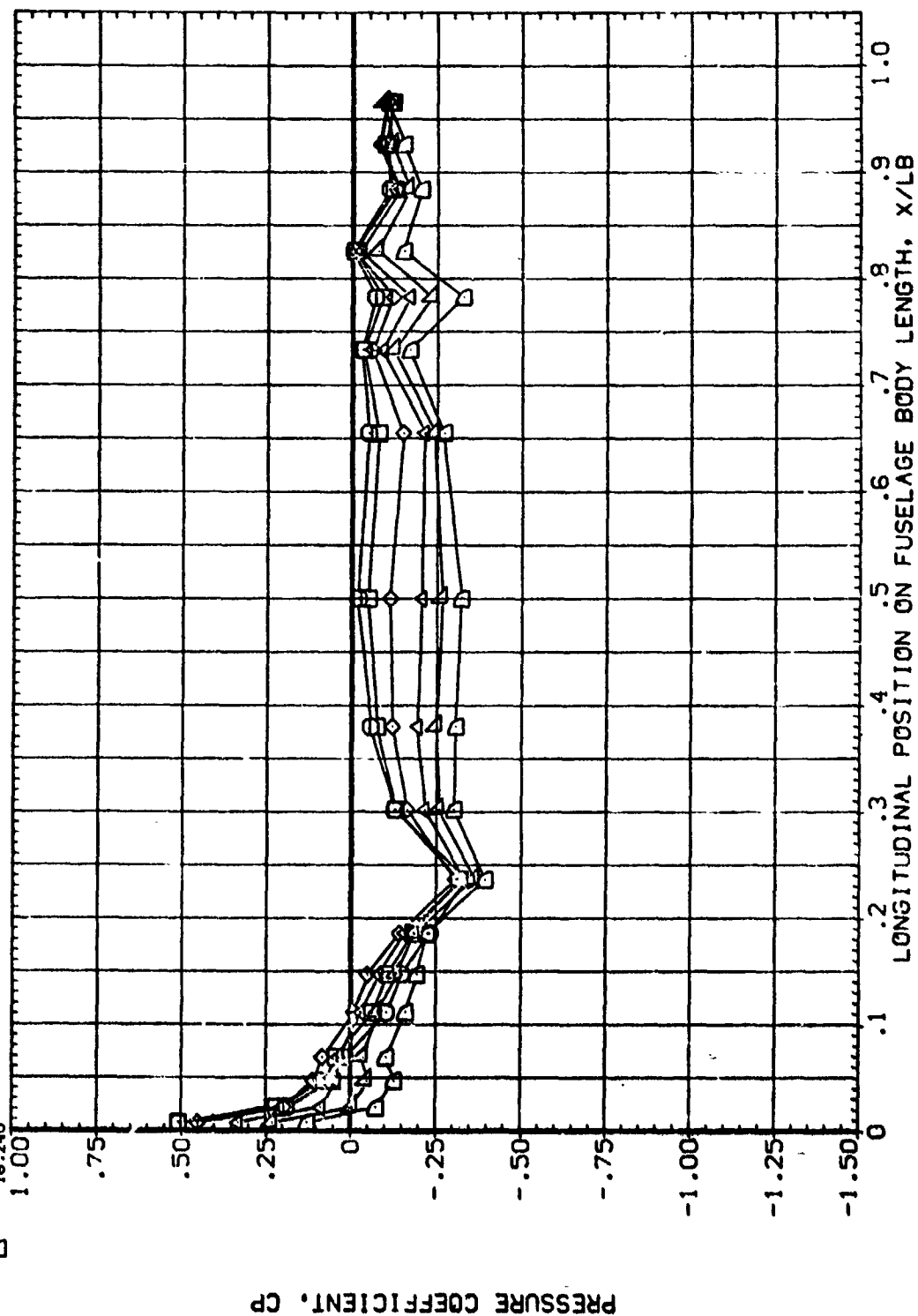


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(R00804)

ALPHA	PHI	BETA
-2.950	105.000	-0.010
-0.050		
5.030		
10.100		
13.220		
16.240		

PARAMETRIC VALUES		
ELEVON	.000	RJDER
60FLAP	-14.250	BETA
	.000	
	.000	

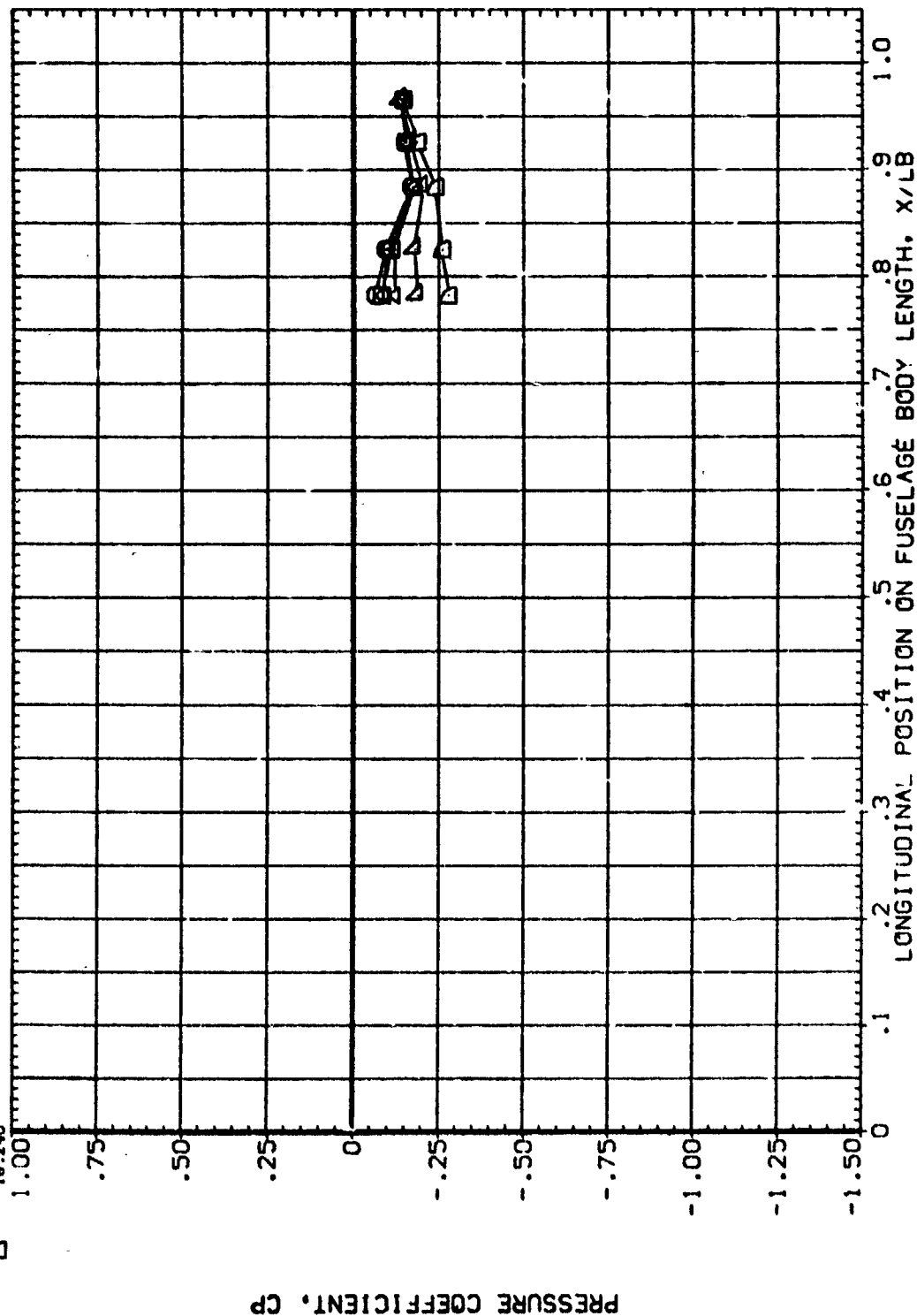


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0B04)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	PARAMETRIC VALUES
□	-2.950	120.000	-.010	BDFLAP	.000	.000
◇	.050				-14.250	.000
△	5.030					
▽	10.100					
▽	13.220					
▽	16.240					

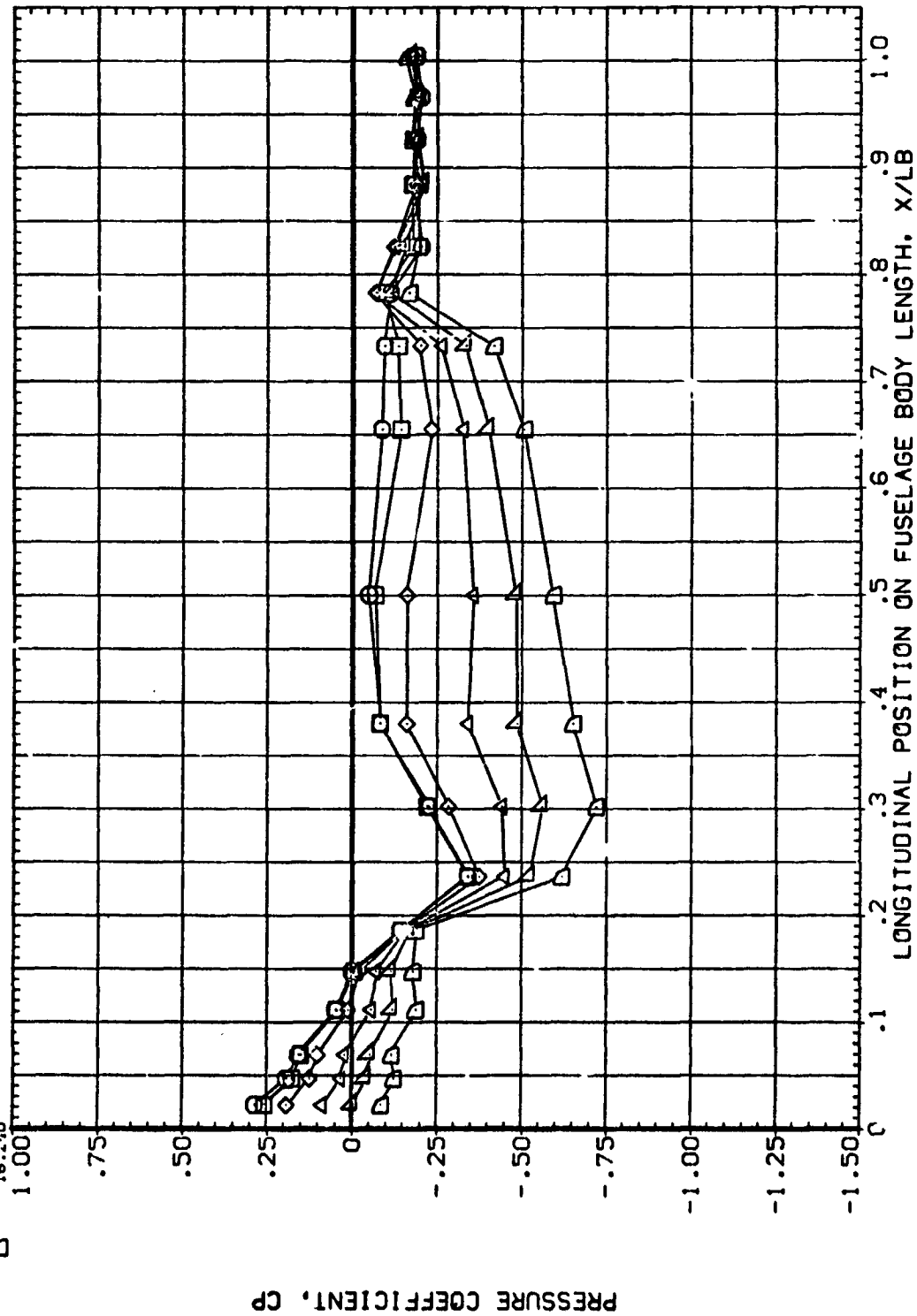


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(R00B04)

B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 135.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▿

PRESSURE COEFFICIENT, CP

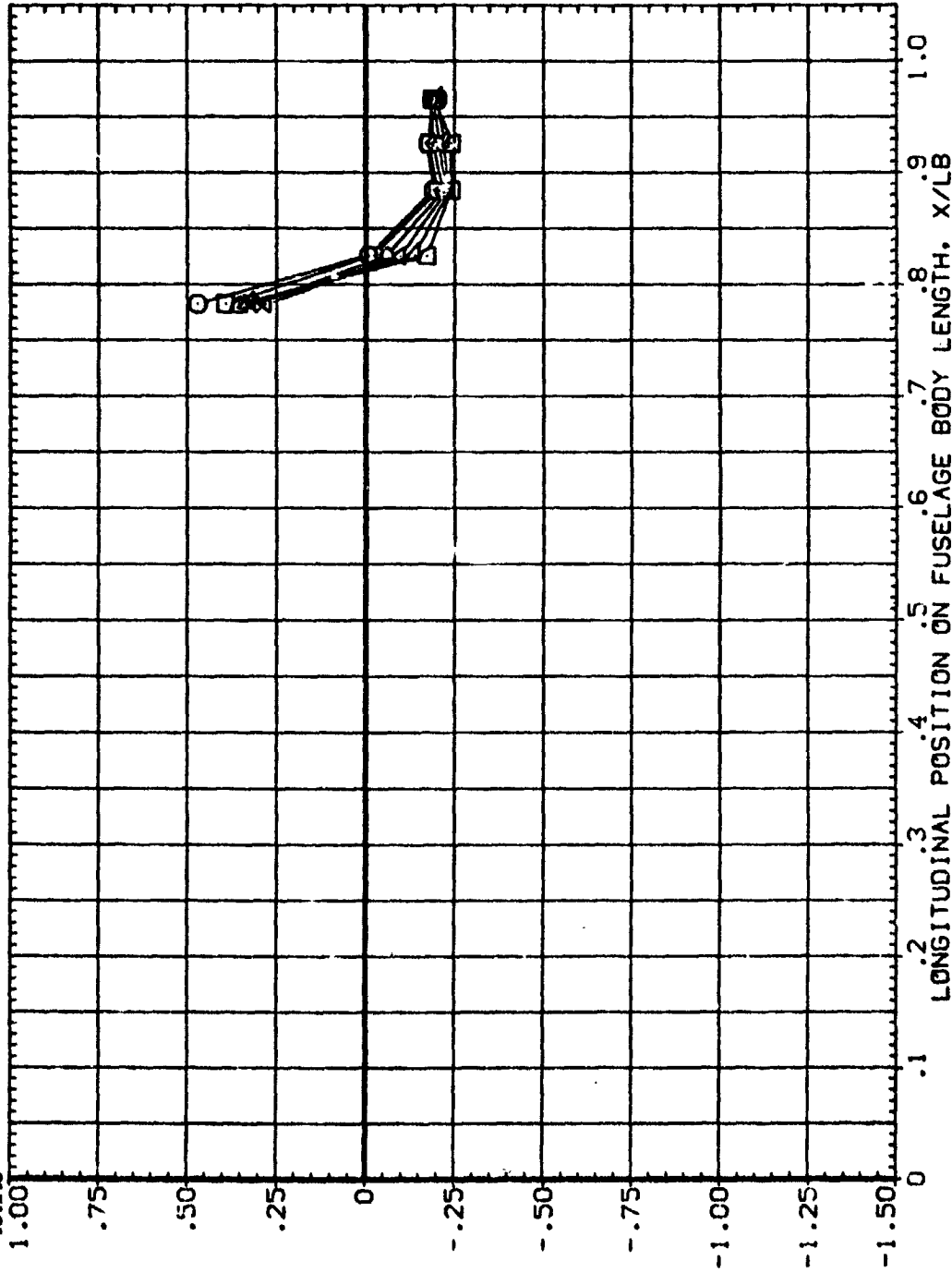


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W11E526V8R5X9 LEFT FUSELAGE

(RD0804)

SYMBOL	ALPHA	PHI	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES	RUDDER	BETA
○	-2.950	150.000	-.010	.000				.000
◇	.050			.000				.000
△	5.030			-14.250				.000
□	10.100							
	13.220							
	16.240							

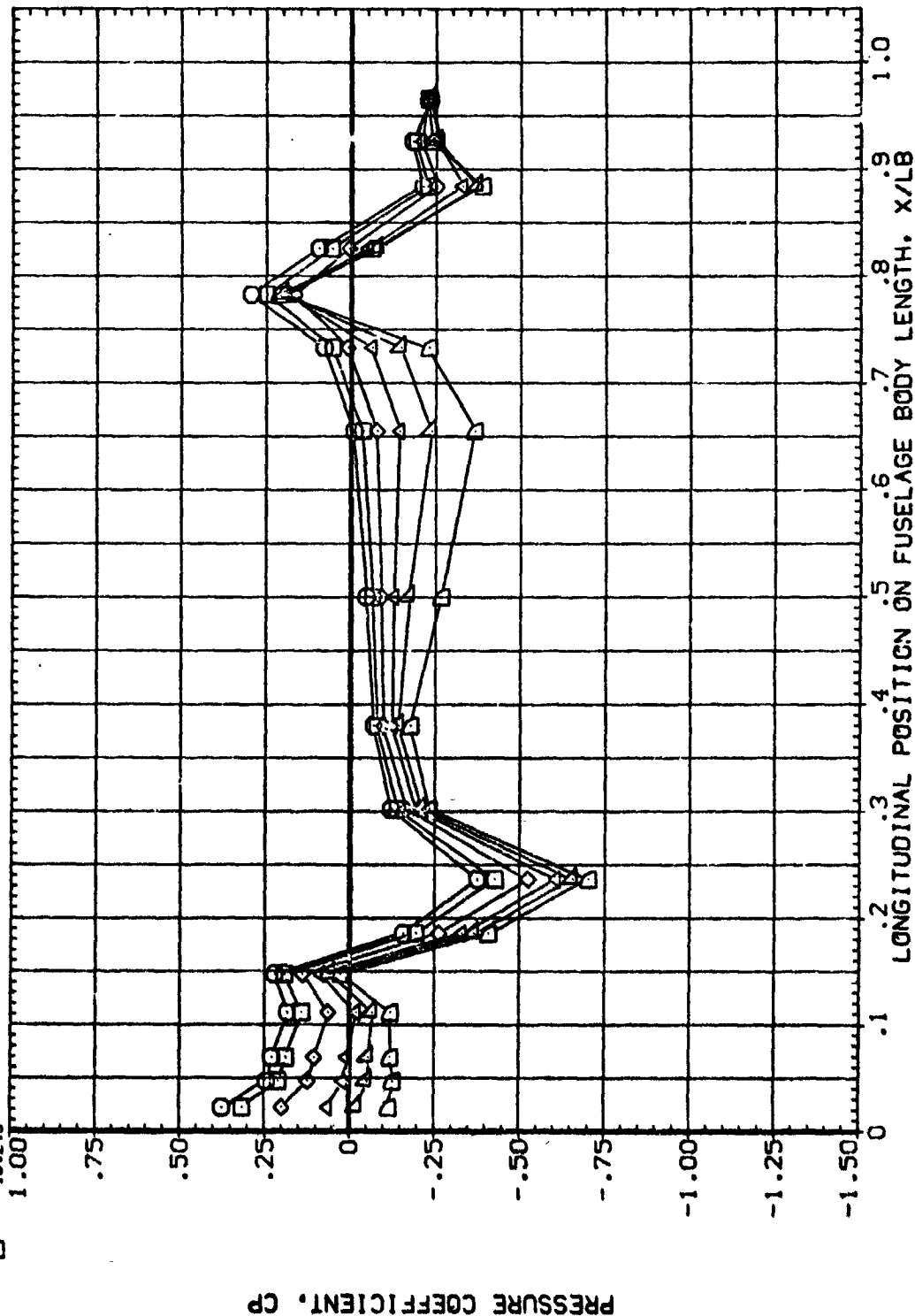


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(R08B04)

B26C9G1SM7F8W116E26V8RSX9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA

ALPHA PHJ BETA
-2.550 165.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹ ▸

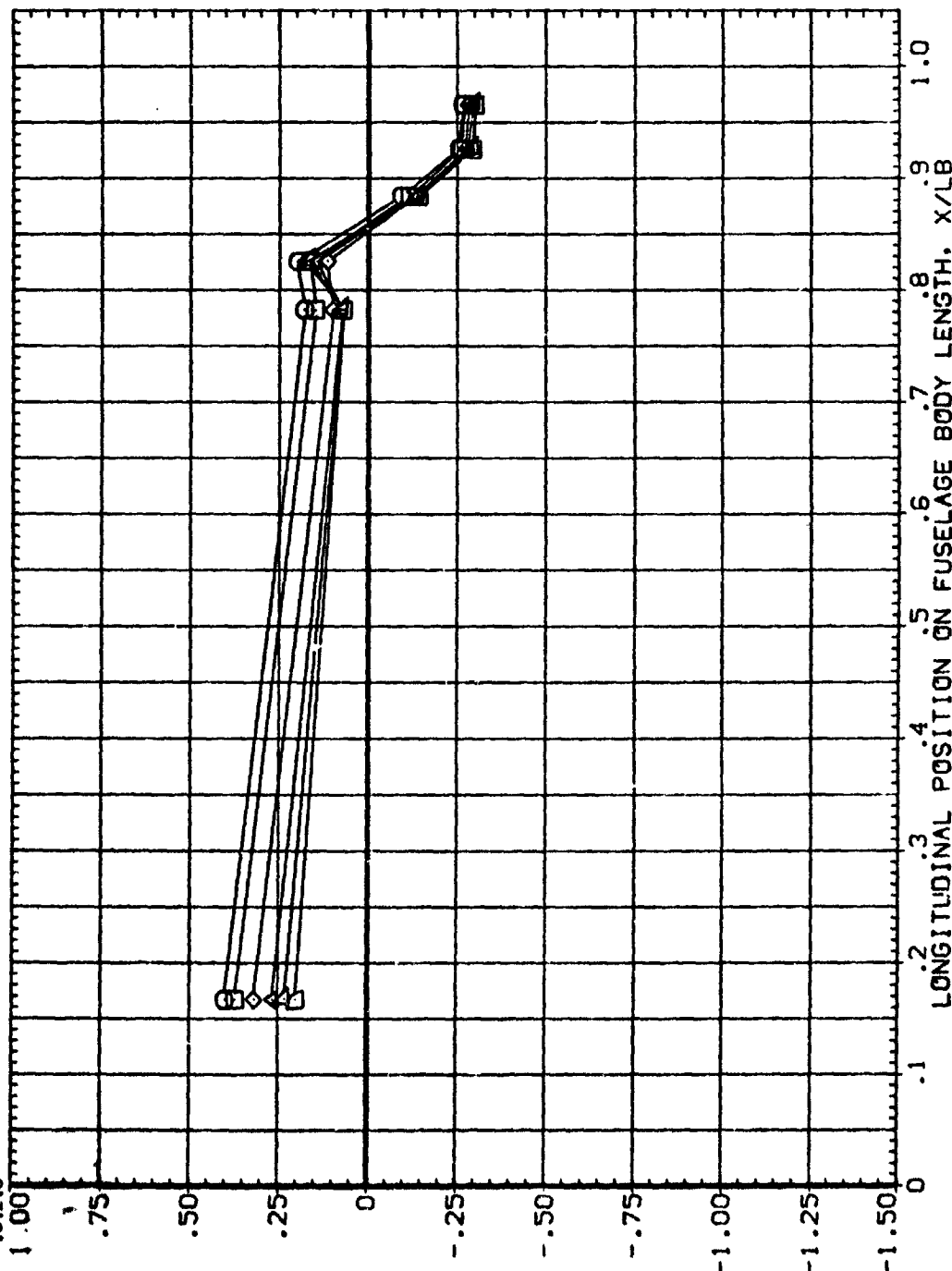


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB04)

SYMBOL	ALPHA	PHI	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES	RUDDER	BETA
□	-2.950	180.000	-.010			.000	.000	
◇	.050					.000		
◇	5.030					-14.250		
◇	10.100							
◇	13.220							
◇	16.240							

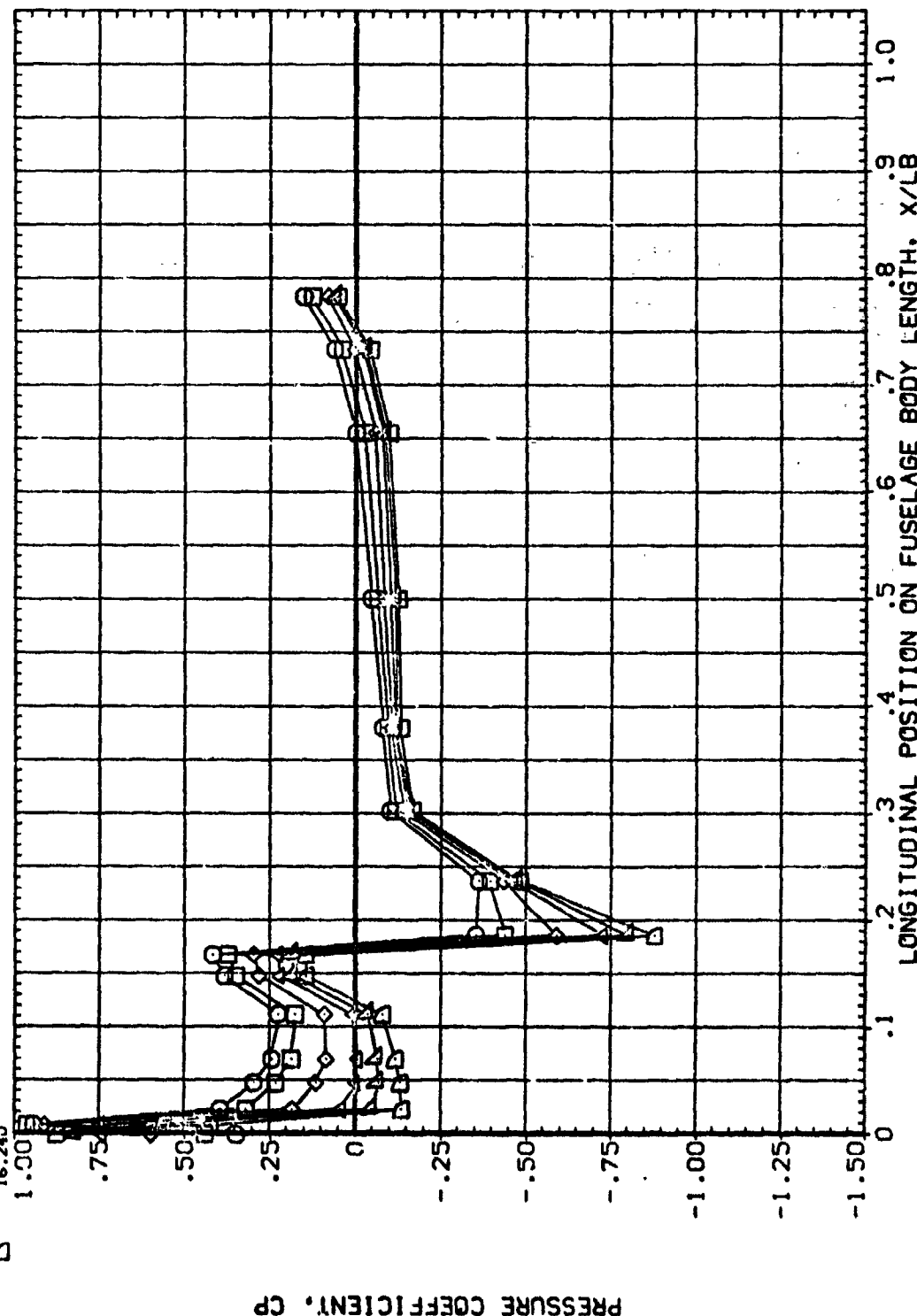


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(R00805)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 .000 10.050
-.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

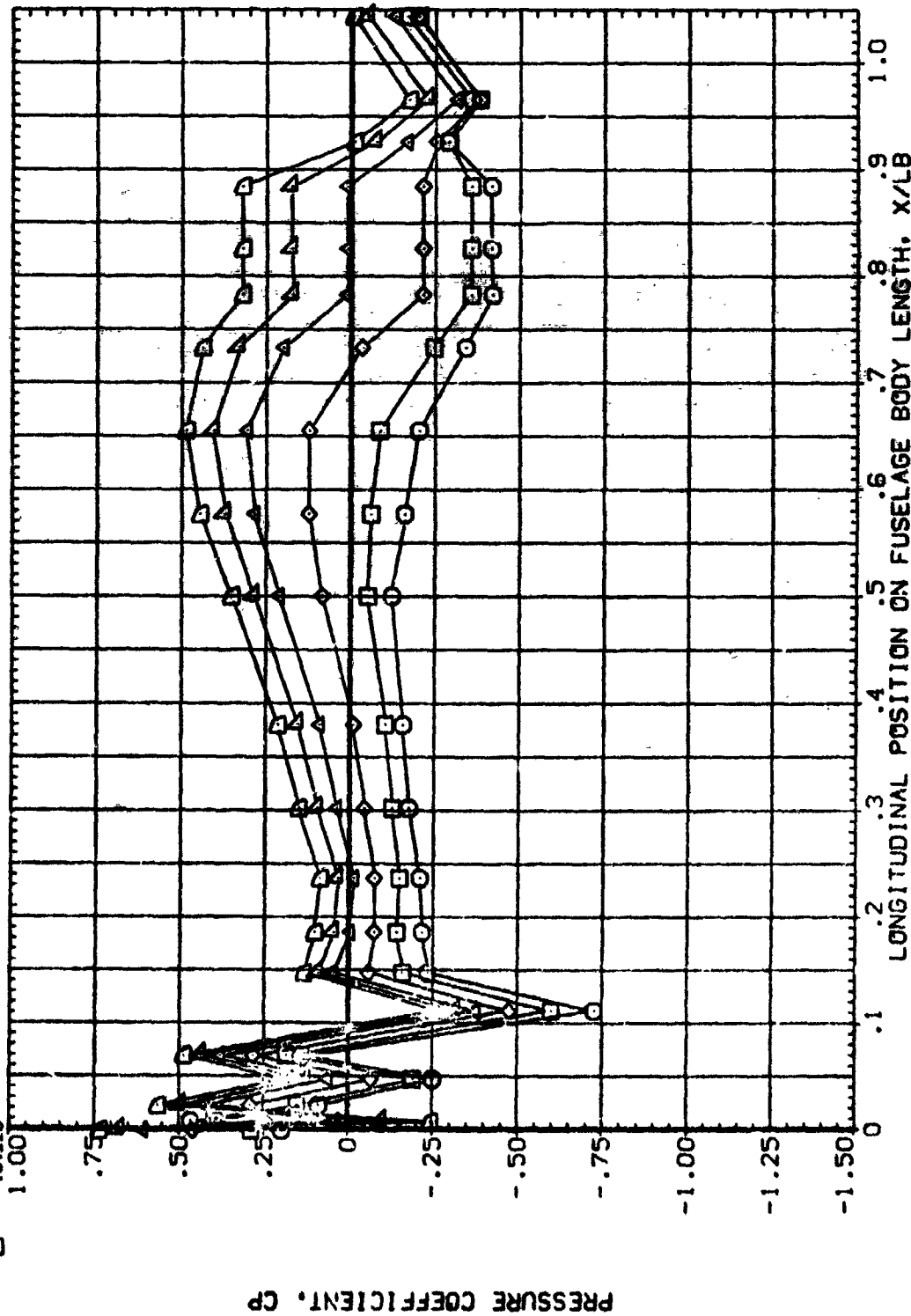


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST.. ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB05)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.970	20.000	10.050	.000	.000	10.000
◇	.030			-14.250	BETA	
△	5.020					
▽	10.120					
○	13.190					
●	16.220					

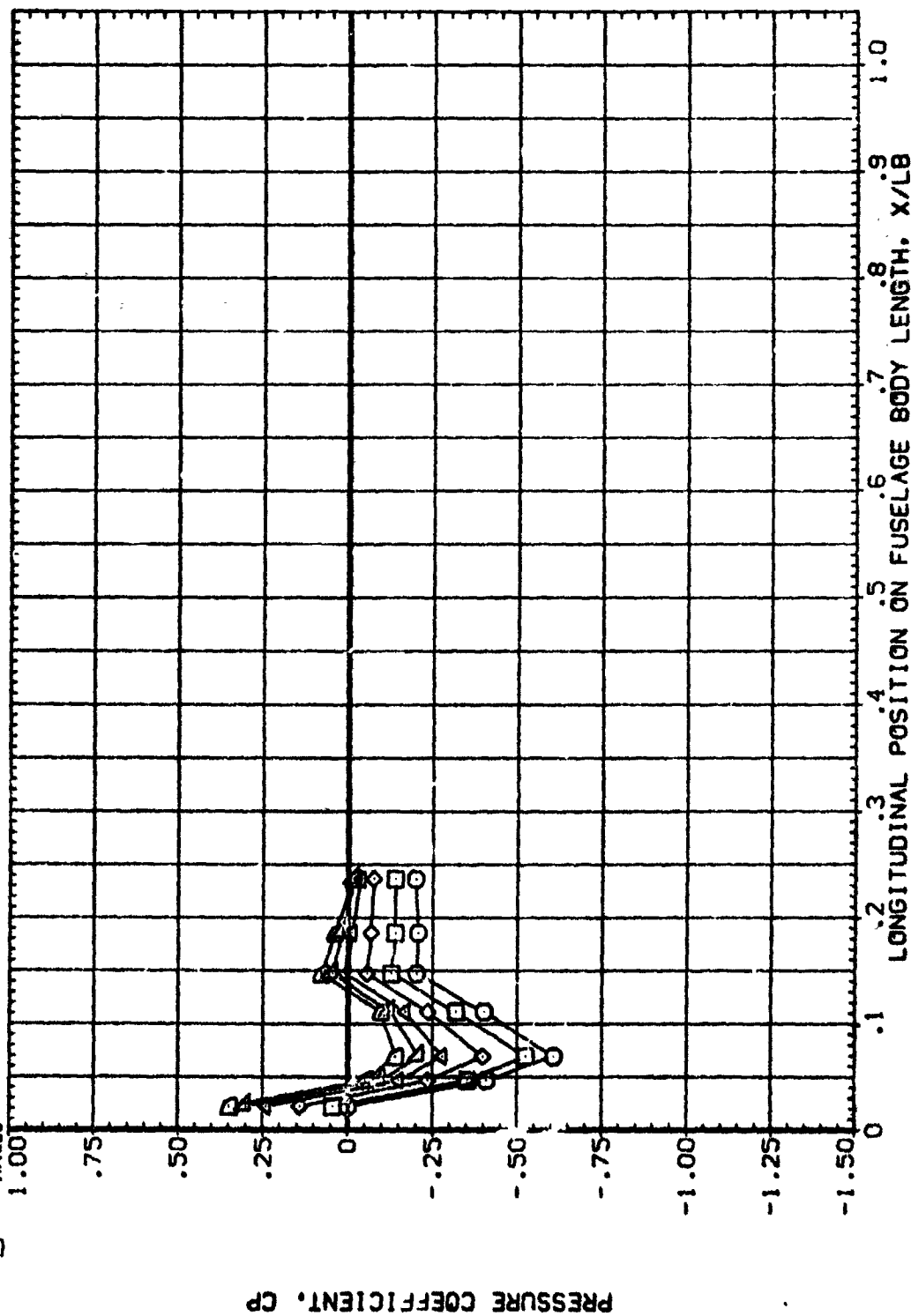


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE (R00805)

SYMBOL	PARAMETRIC VALUES	
	ELEVON BODY LAP	RUDDER BETA
□	.000	.000
◇	-14.230	10.000
△		
▽		
○		

ALPHA	FMI	BETA
-2.970	40.000	10.000
.030		
5.020		
10.120		
13.190		
16.220		

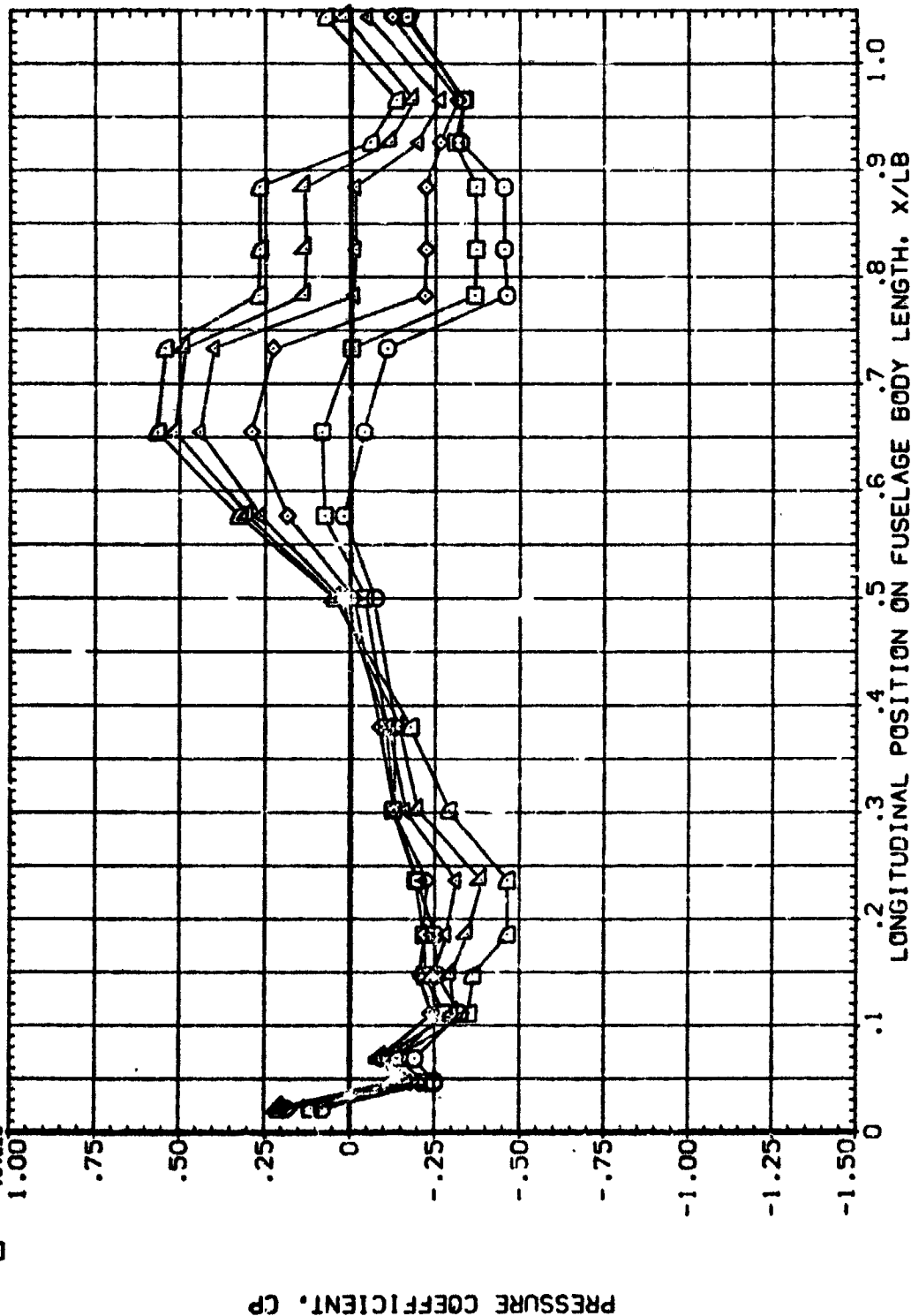


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST.. ALPHA EFFECT, ELEVON = 0, BETA = +10

(R00805)

ALPHA
-2.970
.030
5.020
10.120
12.190
16.225

BETA
10.050

ELEVON	.000	RUDDER
BOFLAP	-14.250	BETA

10.000
000.

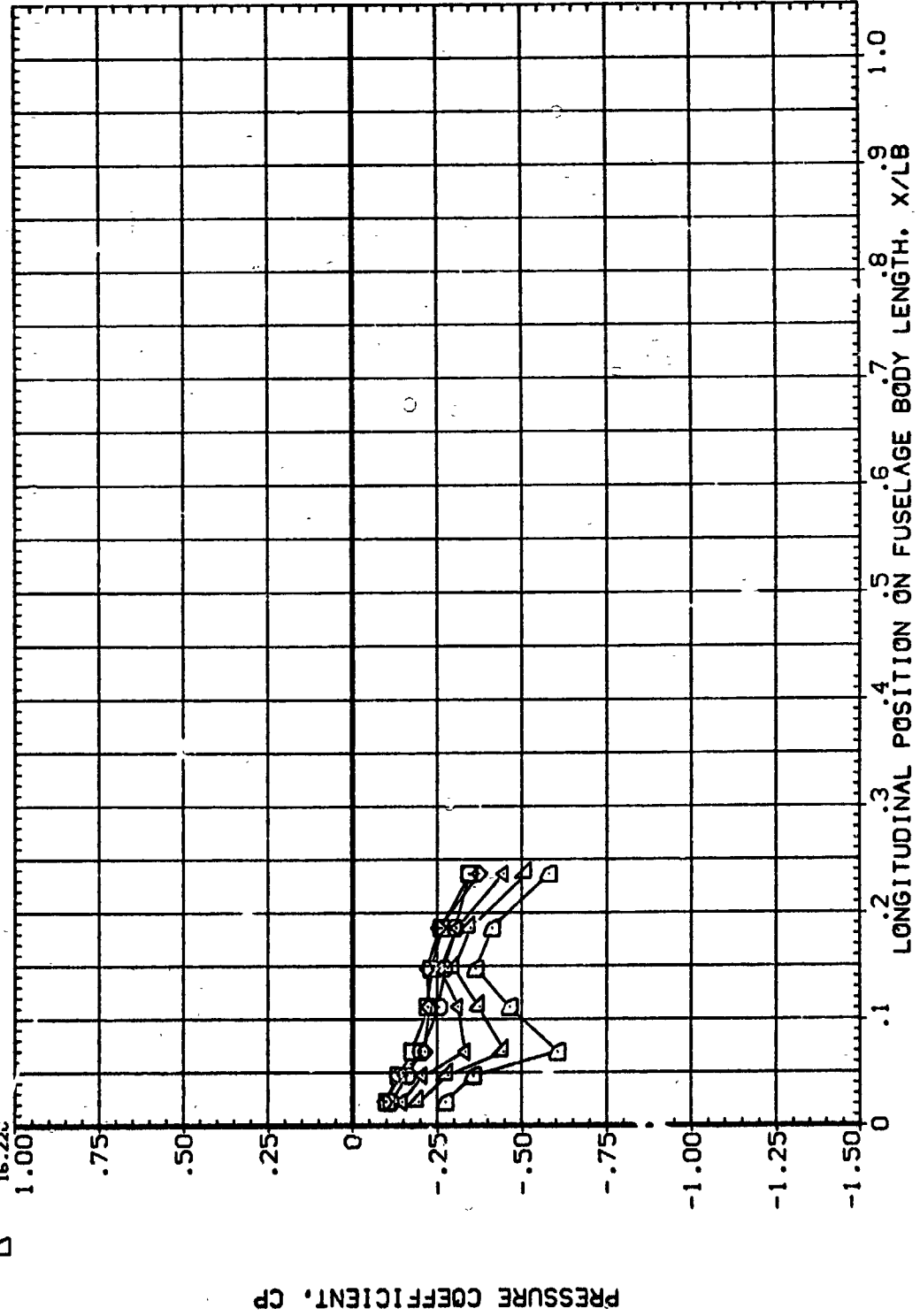


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

(R00805)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL
 □
 ◇
 △
 ▽
 ○

ALPHA	PHI	BETA
-2.970	70.000	10.050
.030		
5.020		
10.120		
13.190		
16.220		

PARAMETRIC VALUES		
ELEVON	.000	RUDDER
BDFLAP	-14.25C	BETA
		10.000

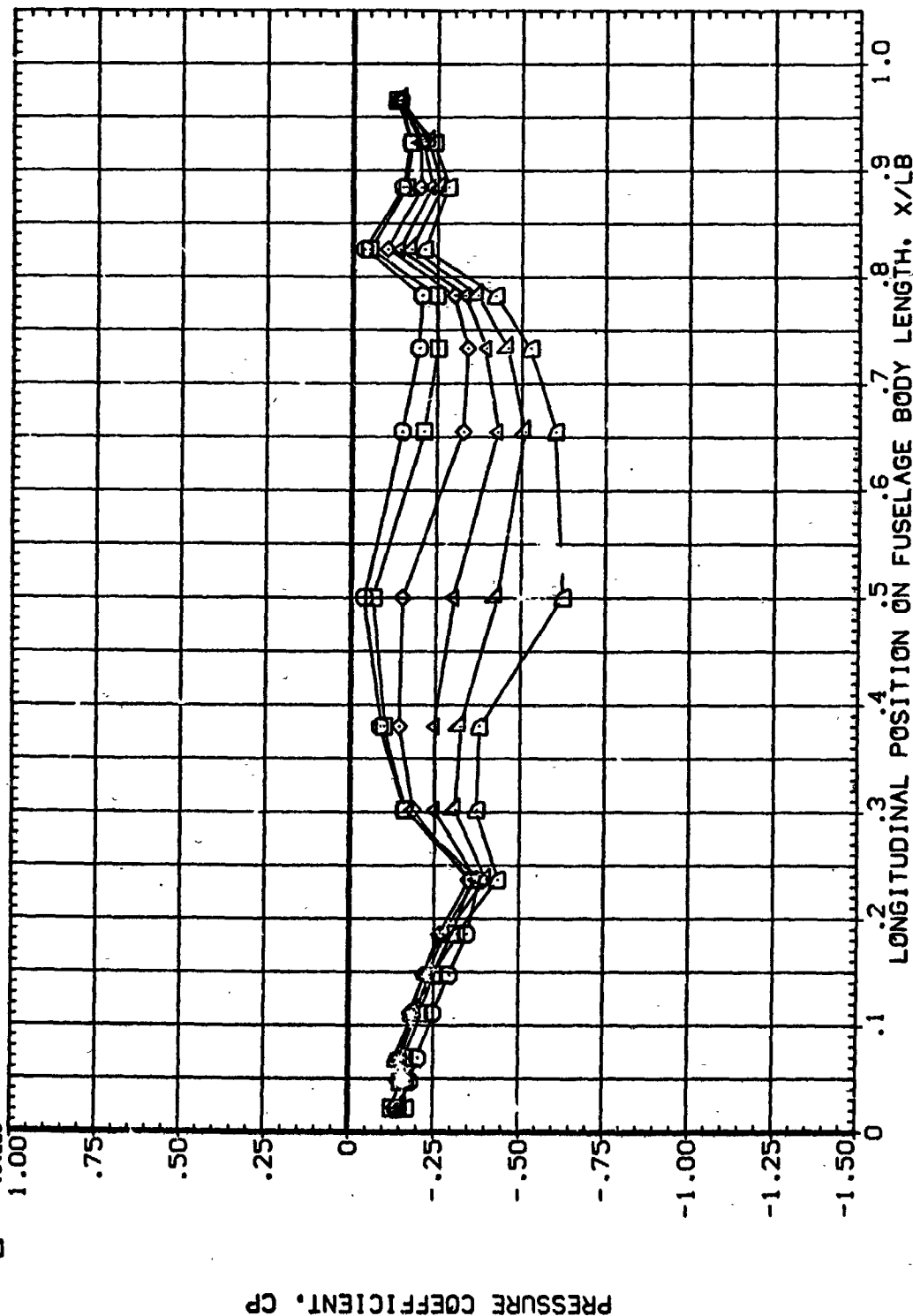


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00805)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
□	BDFLAP	BETA
◇		
△		
▽		
○		

ALPHA	PHI	BETA
-2.970	90.000	10.050
.030		
5.020		
10.120		
13.190		
16.220		

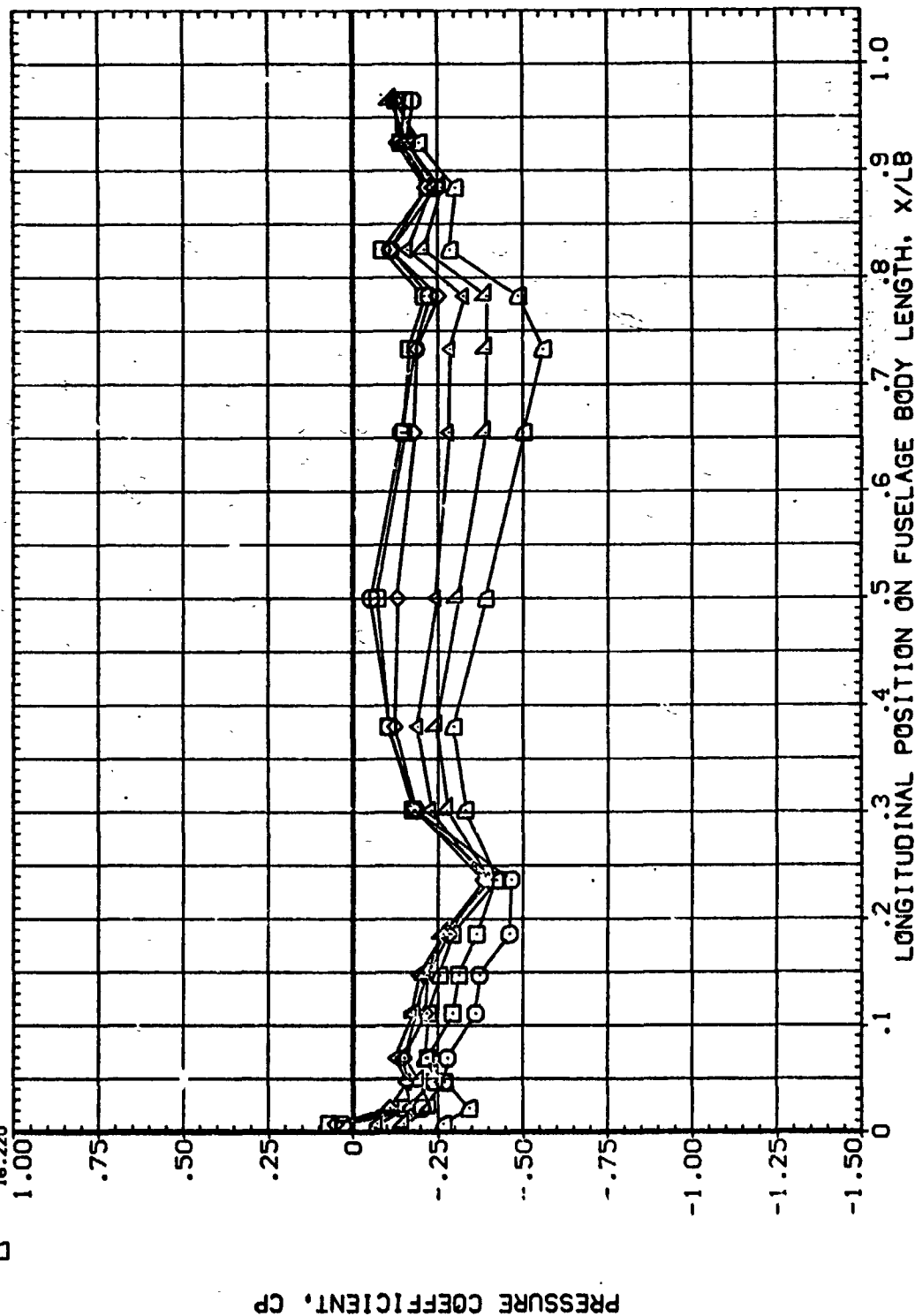


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0805)

SYMBOL
□◇△▽

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

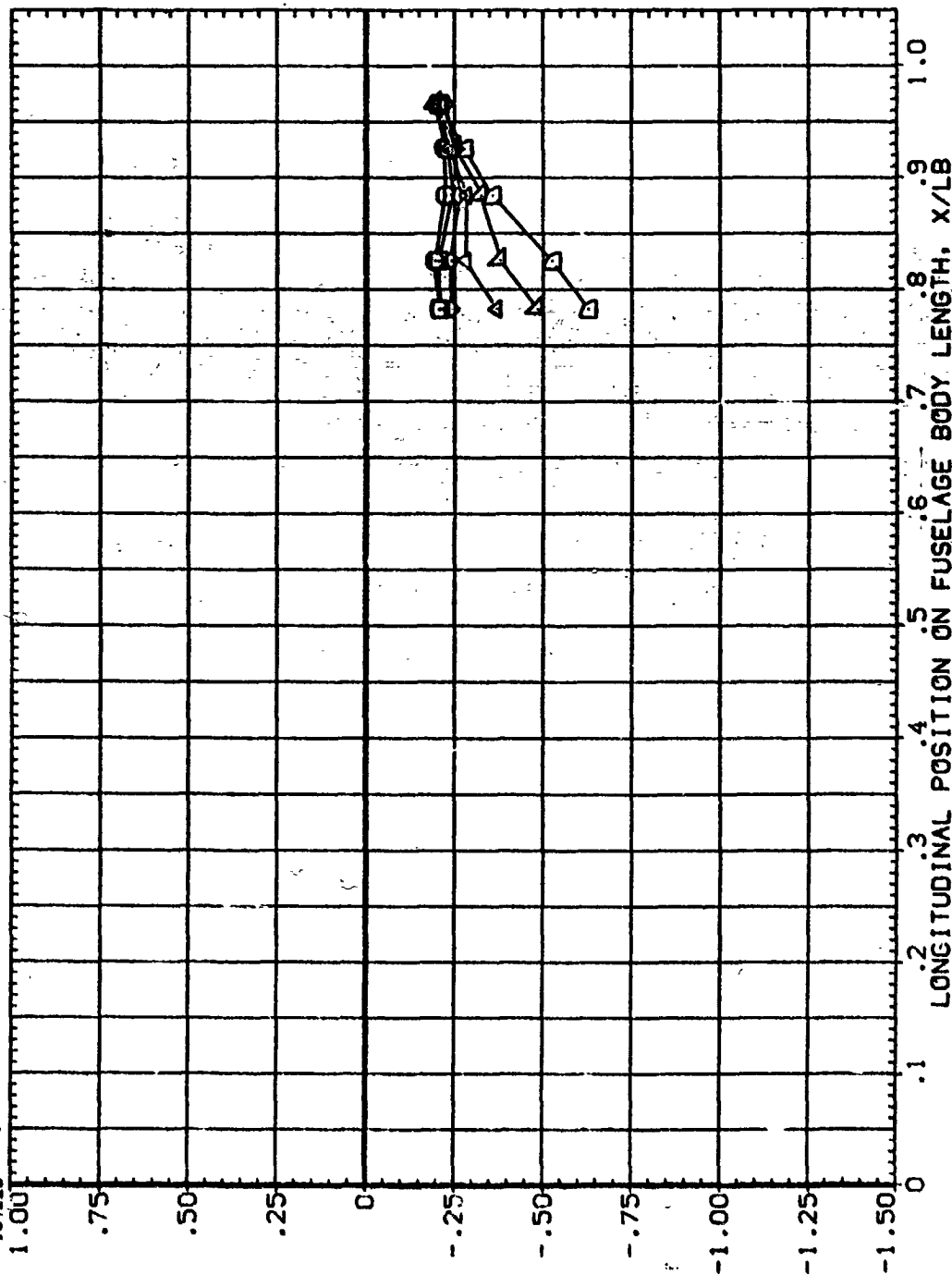


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB05)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 120.000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
◇ ◇ ◇ ◇ ◇
◇ ◇ ◇ ◇ ◇
◇ ◇ ◇ ◇ ◇
◇ ◇ ◇ ◇ ◇
◇ ◇ ◇ ◇ ◇

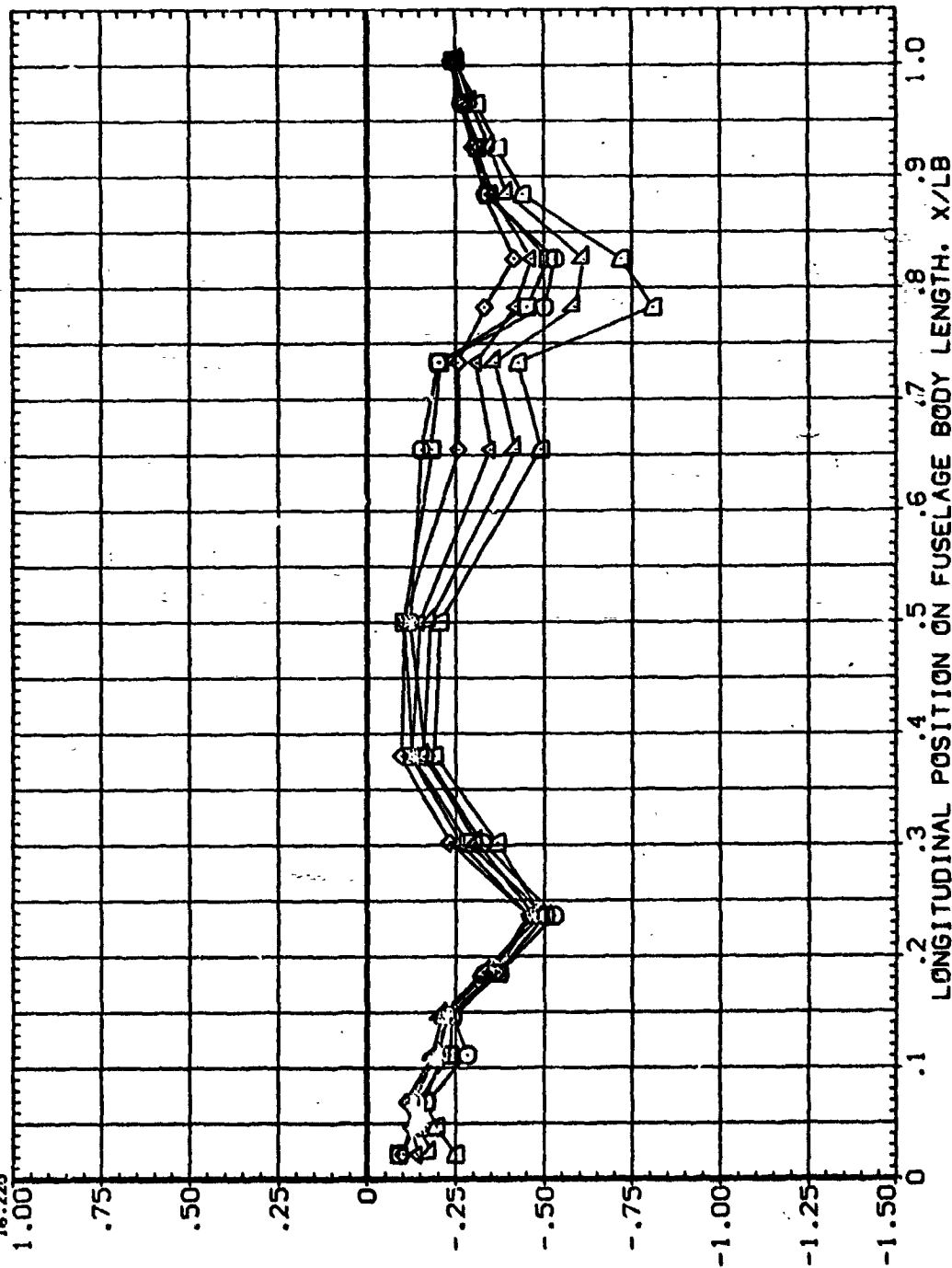


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

(R00805)

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BETA
□	-2.570	135.000	10.050	.000	.000	10.000
◊	.030			-14.250		
◊	5.020					
◊	10.120					
◊	13.150					
◊	16.220					

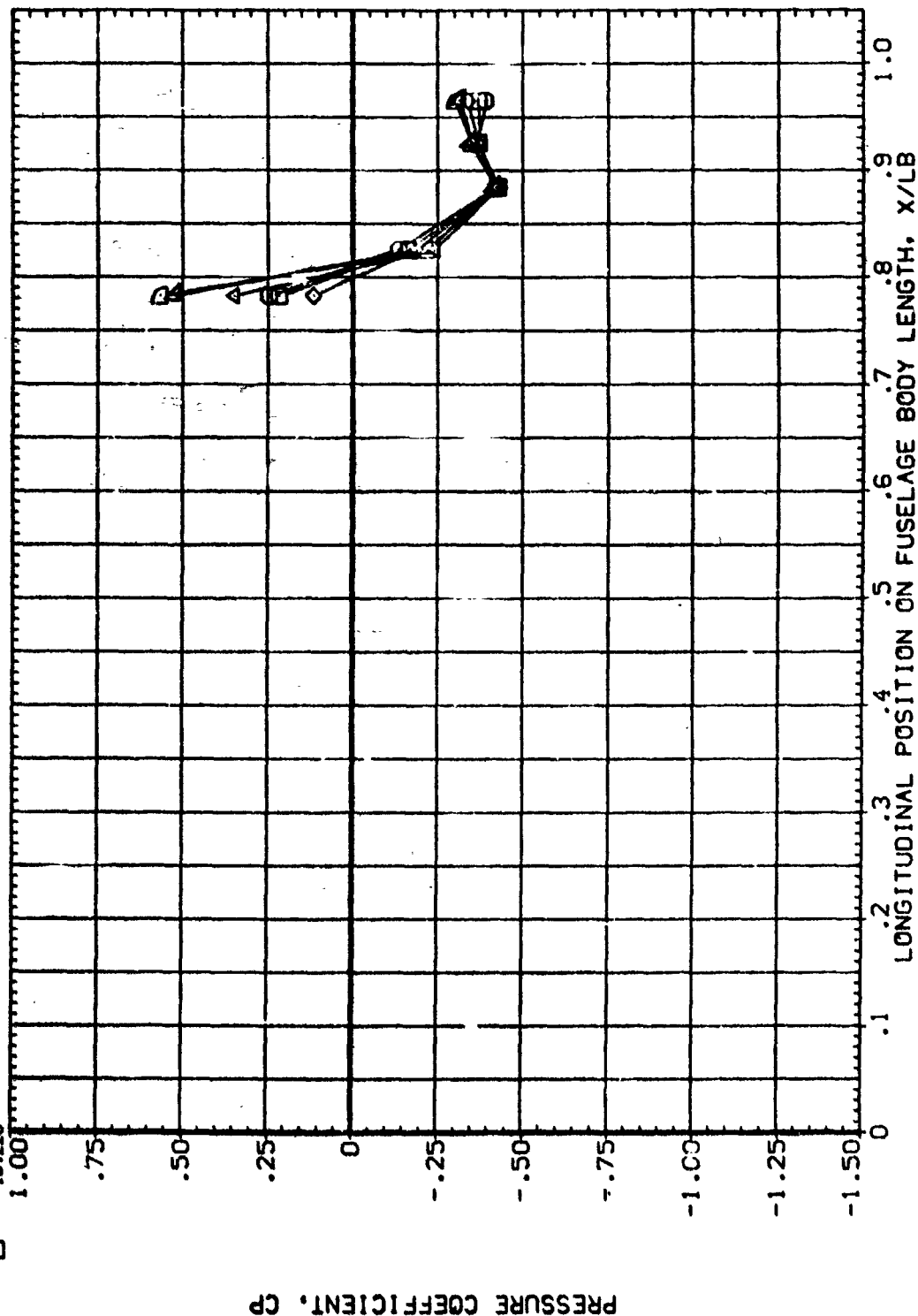


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B05)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.970	150.000	10.050	.000	.000	10.000
◇	-0.30			-14.250		
△	5.020					
▽	10.120					
◊	13.190					
◊	16.220					

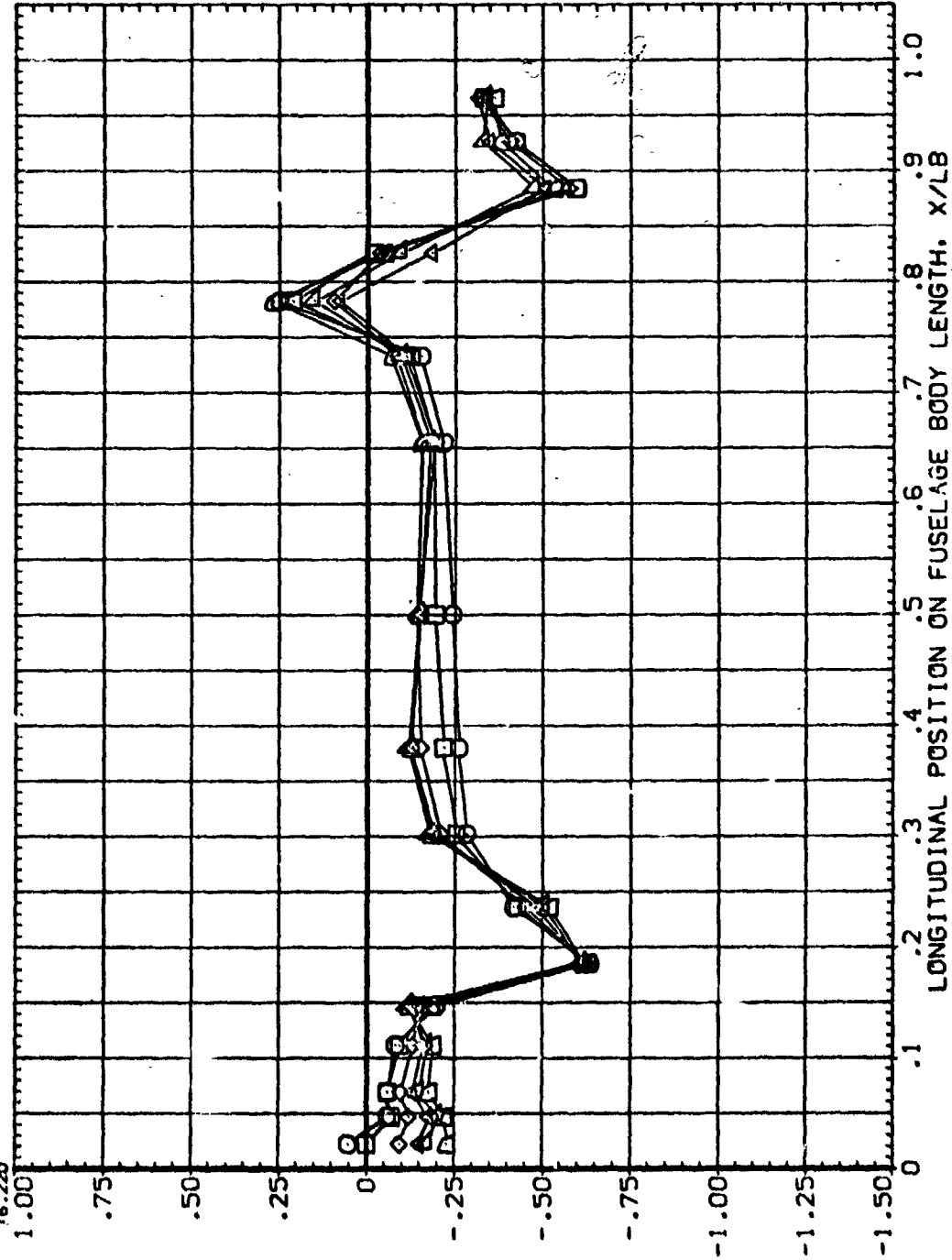


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

(RD0805)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 165.000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ ◆ ▼ ▽

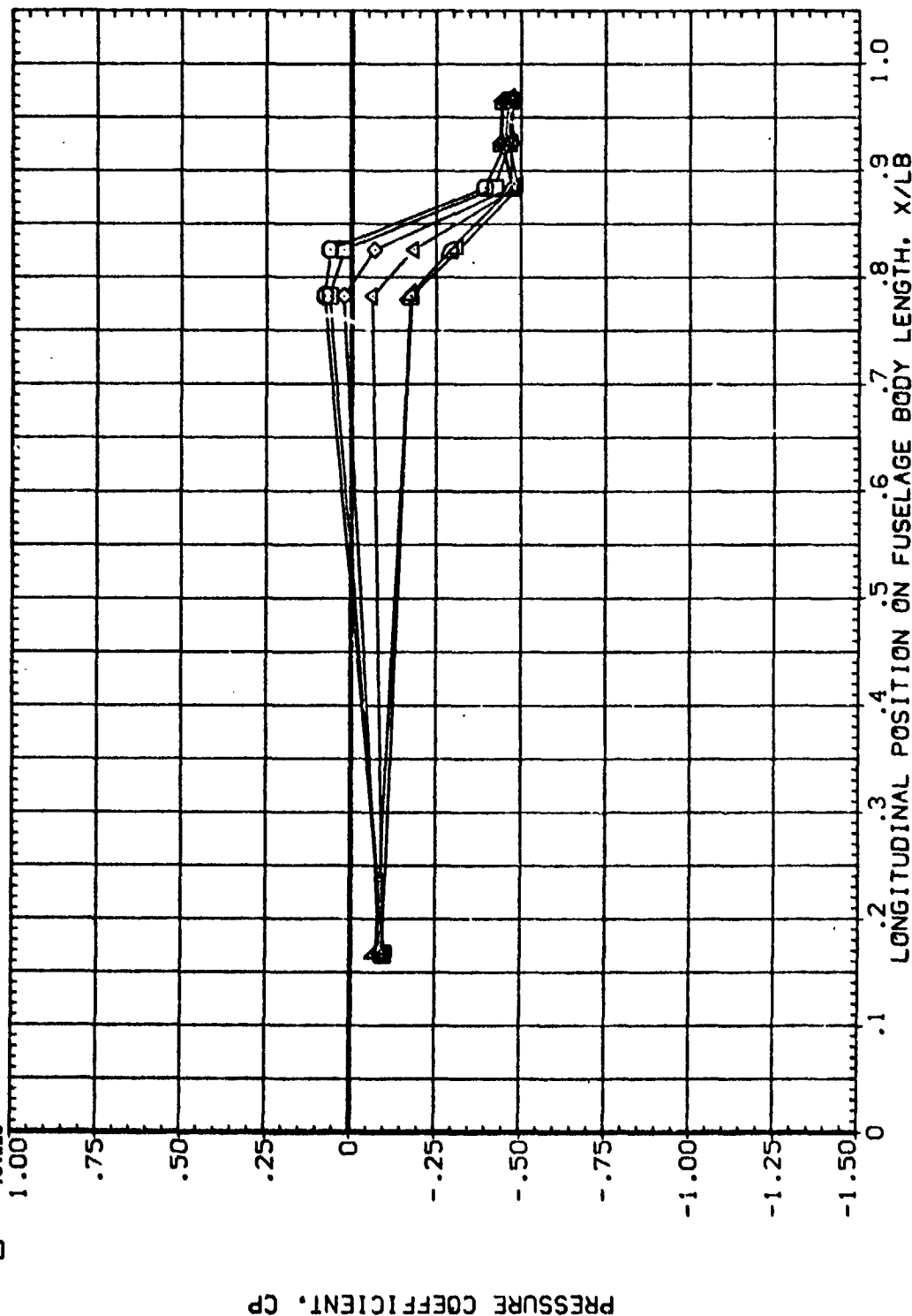


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B05)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BETA
□	-2.970	180.000	10.050	.000	.000	10.000
◇	.030			.000		
△	5.020			-14.250		
▽	10.120					
○	13.190					
●	16.220					

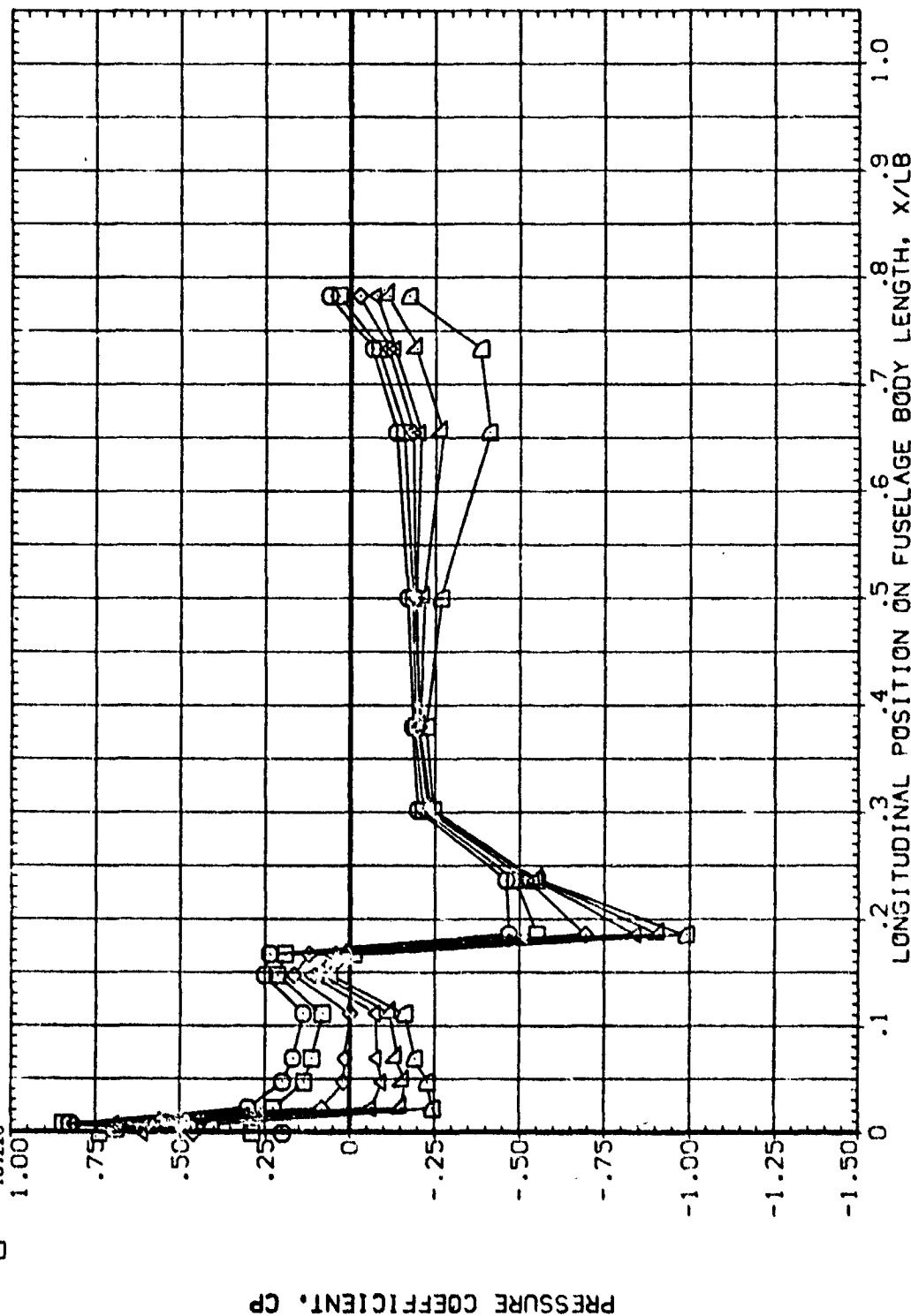


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT USELAGE (RD0806)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

PHI .000 BETA -10.060

SYMBOL ALPHA
□ -2.980
◇ -0.20
△ 5.020
○ 10.090
□ 13.190
◇ 16.220

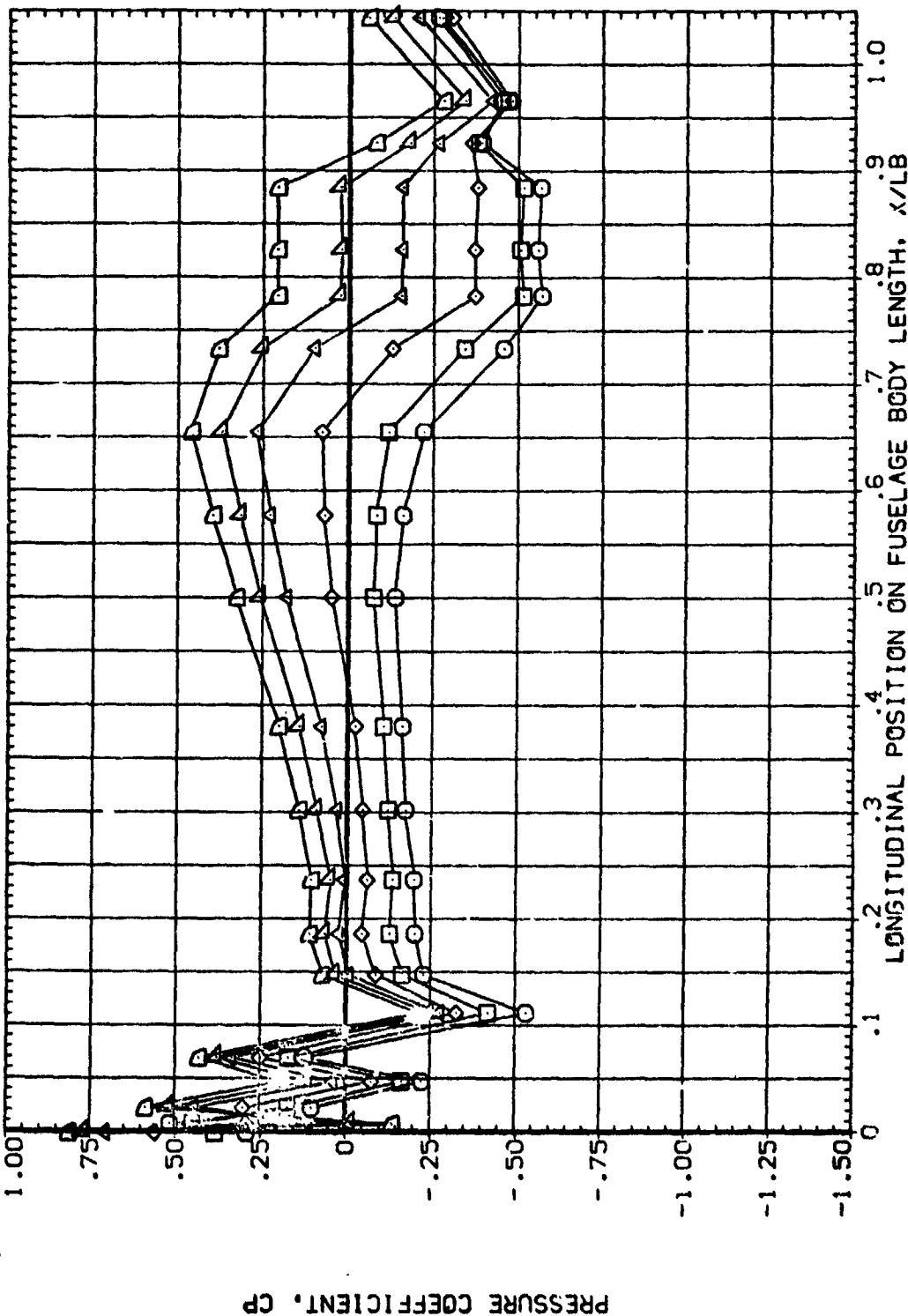


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE

RDQB06J

SYMBOL
 □ ▽ ◆ ◇

ALPHA	PHI	BETA
-2.960	20.000	-10.060
.020		
5.020		
10.090		
13.190		
16.220		

PARAMETRIC VALUES		
ELEVON	RUDDER	BETA
-20.000	.000	-10.000
-14.250		

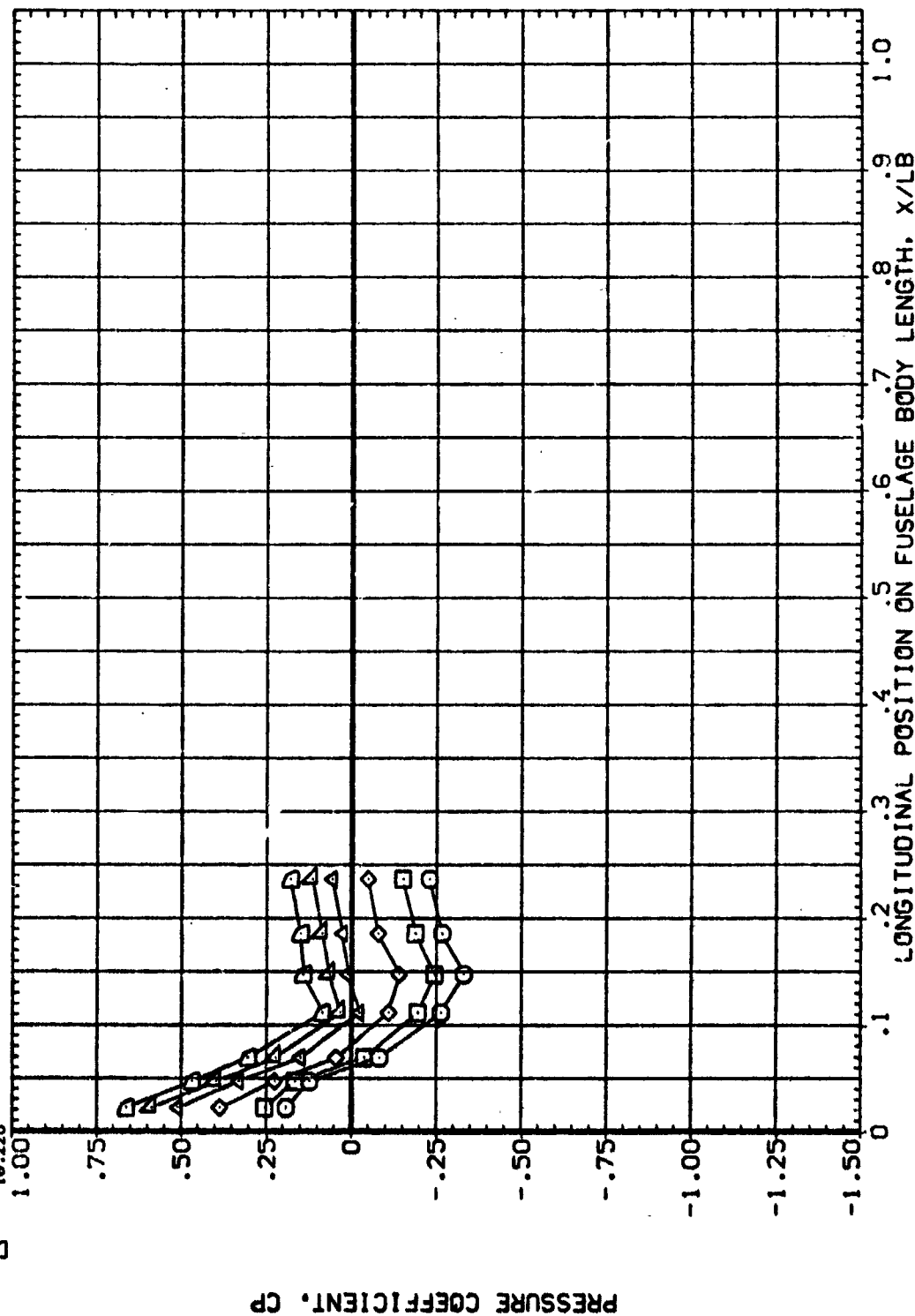


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

(RDQB06)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 40.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸ ▹ ▸

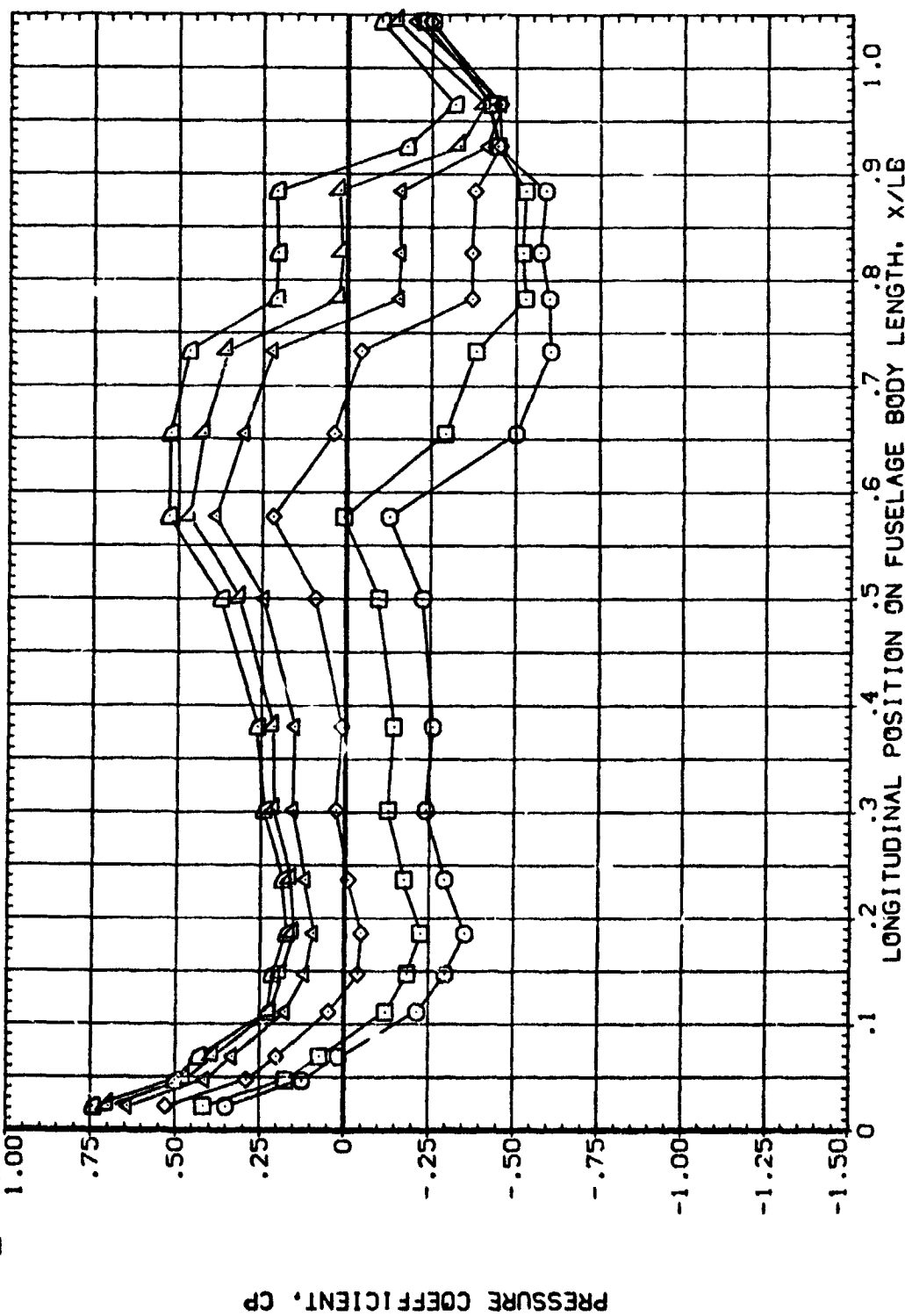


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0Q806)

PARAMETRIC VALUES
ELEVON -20.000 PUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA 291 BETA
-2.980 99.000 -10.060

SYMBOL
□ ▽ ◆ ◇ □

5.020
10.050
13.190
16.220

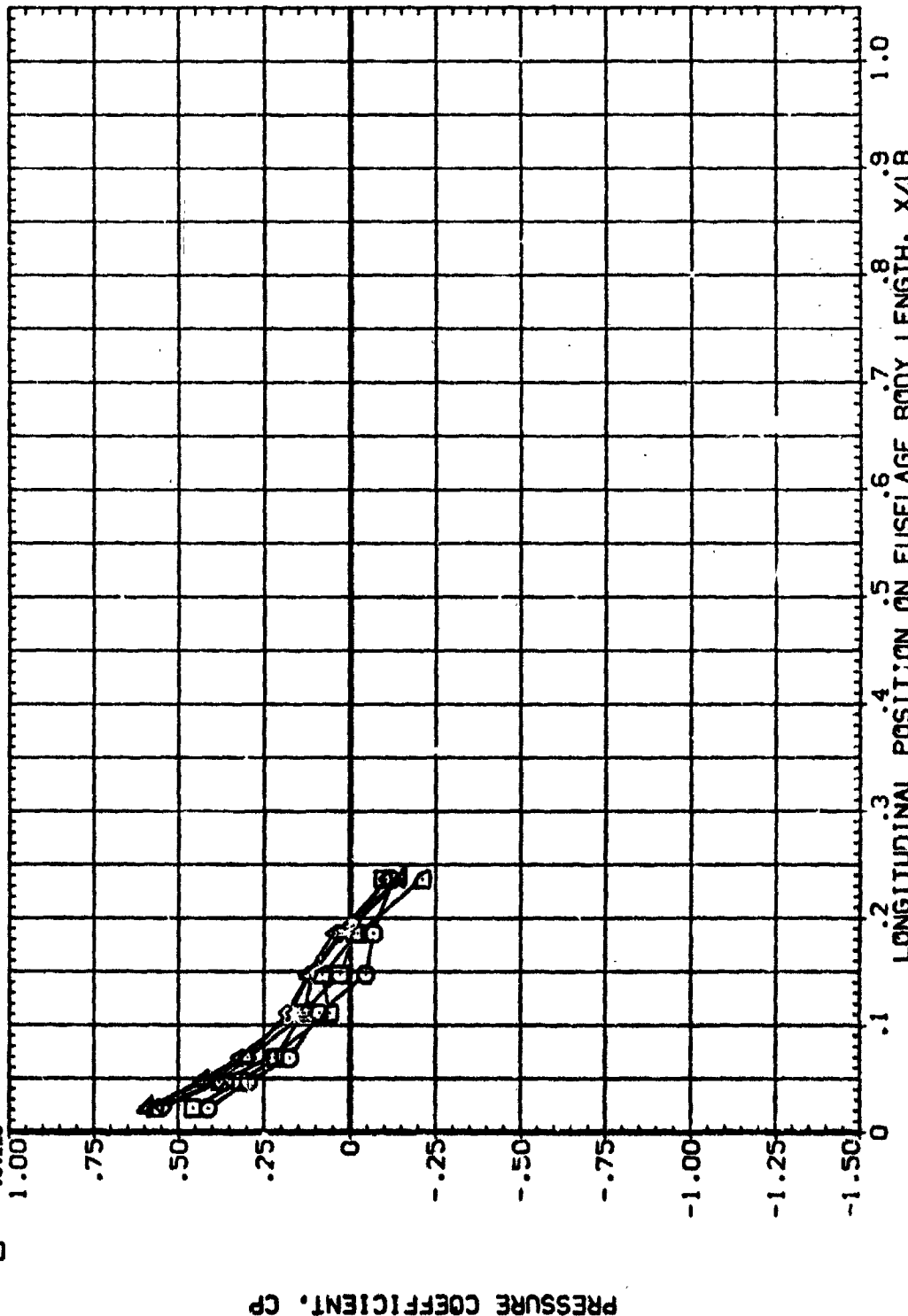


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB06)

SYMBOL	ALPHA	PMI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.980	70.000	-10.060	-20.000	-14.250	-10.000
◇	.020					
△	5.020					
▽	10.090					
○	13.190					
◻	16.220					

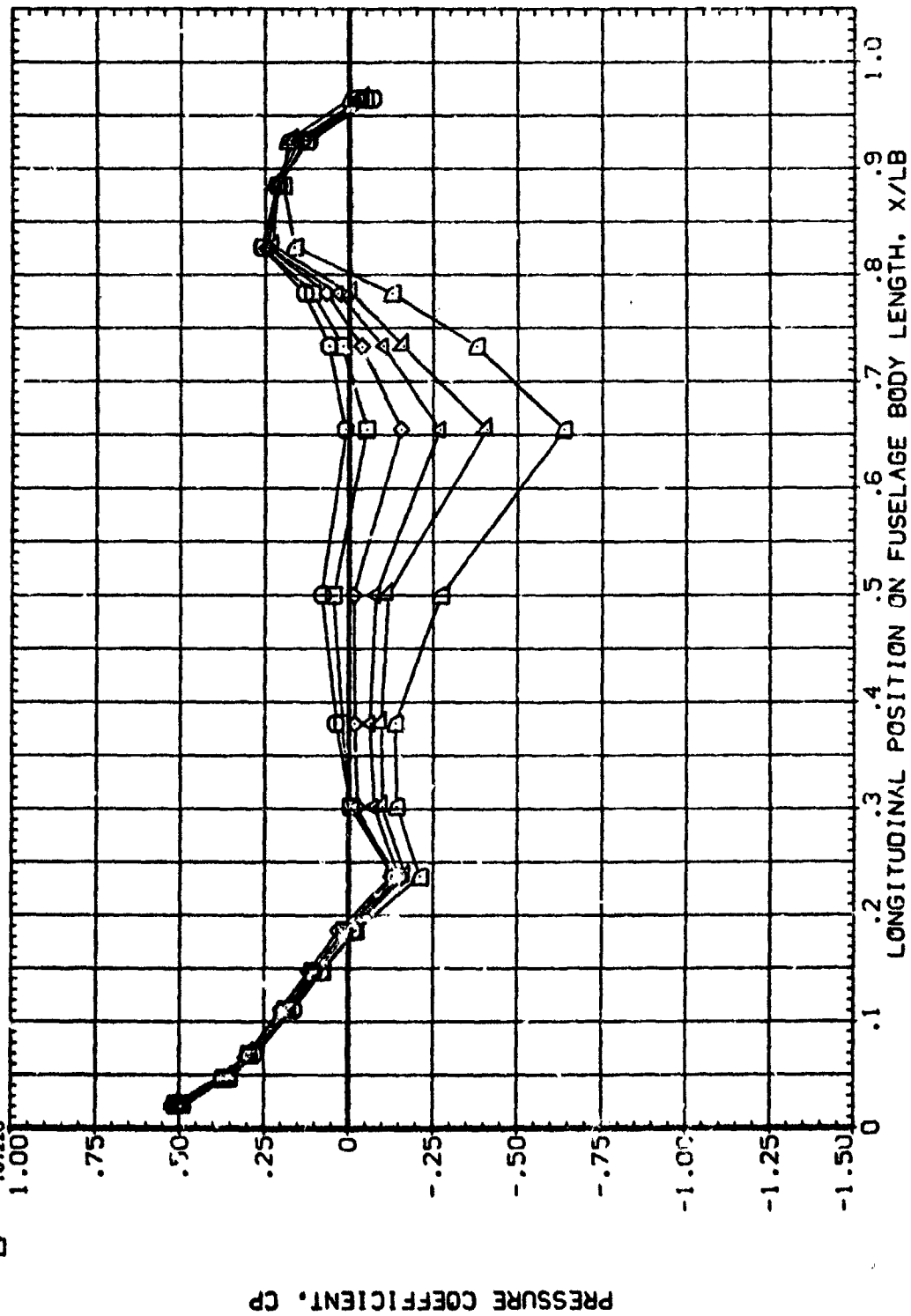


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E2CV8RSX9 LEFT FUSELAGE (RDCBOS)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
□	-2.580	90.000	-10.060	ELEVON -20.000 RUDDER .000
◇	.020			BOFLAP -14.250 BETA -10.000
△	10.090			
▽	13.190			
◊	16.220			

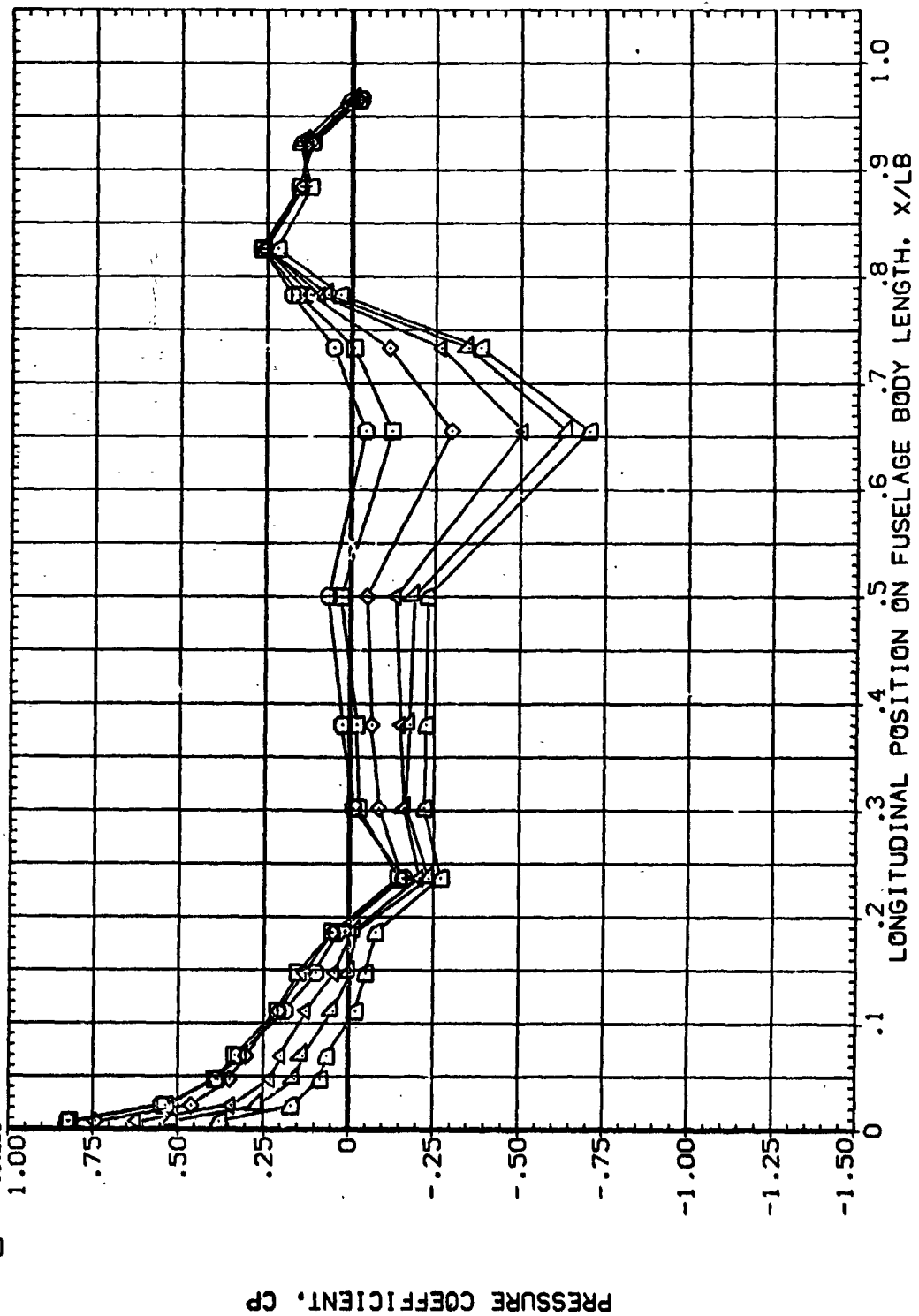


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL

ALPHA	PHI	BETA:
-2.980	105.000	-10.060

PARAMETRIC VALUES	
ELEVON	-20.000 RUDDER .000
BOFLAP	-14.250 BETA -10.000

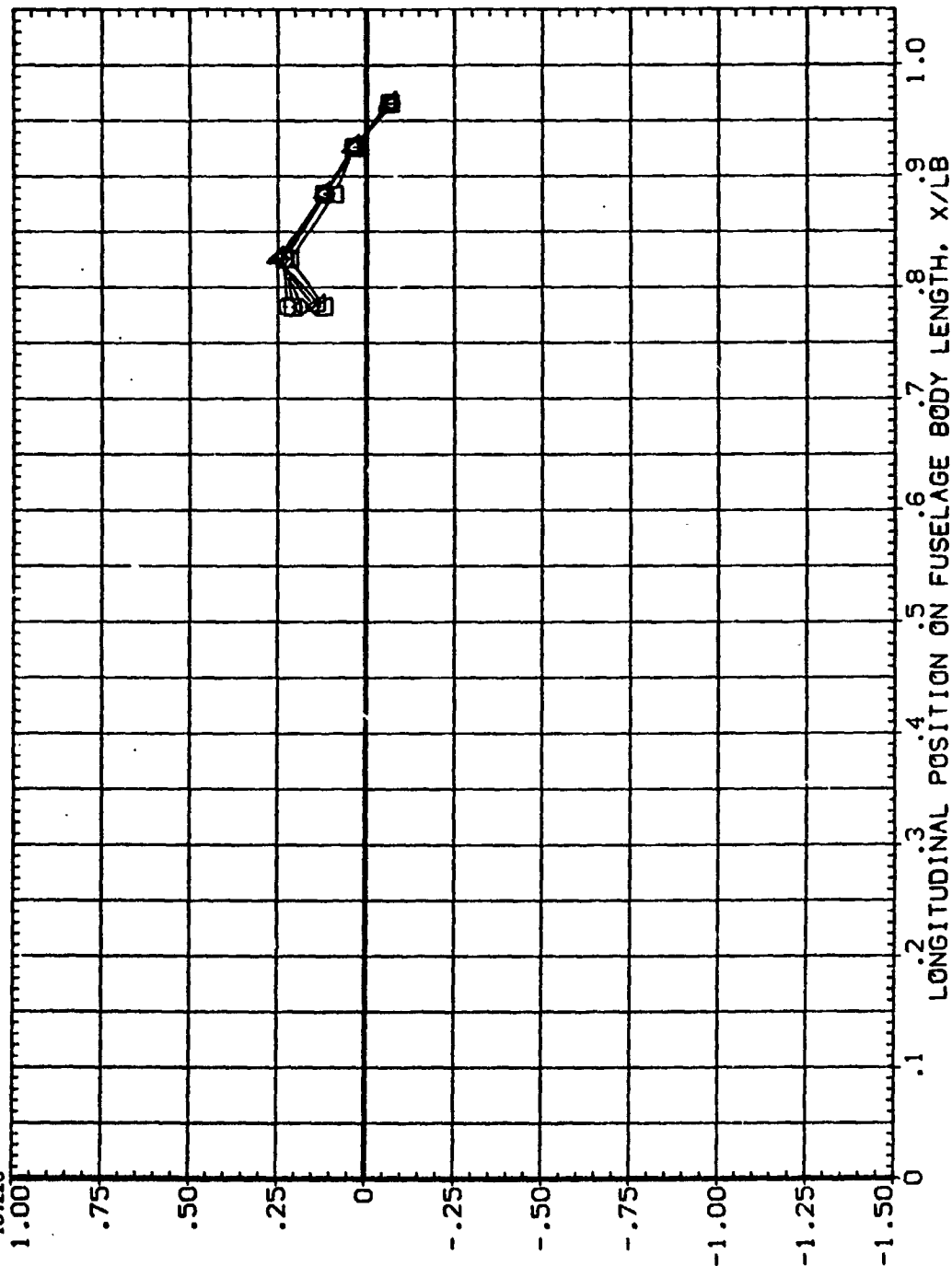


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X3 LEFT FUSELAGE (RD0806)
 PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA -10.000
 ALPHA PHI BETA
 -2.980 120.000 -10.060
 .020
 5.020
 10.090
 13.190
 16.220

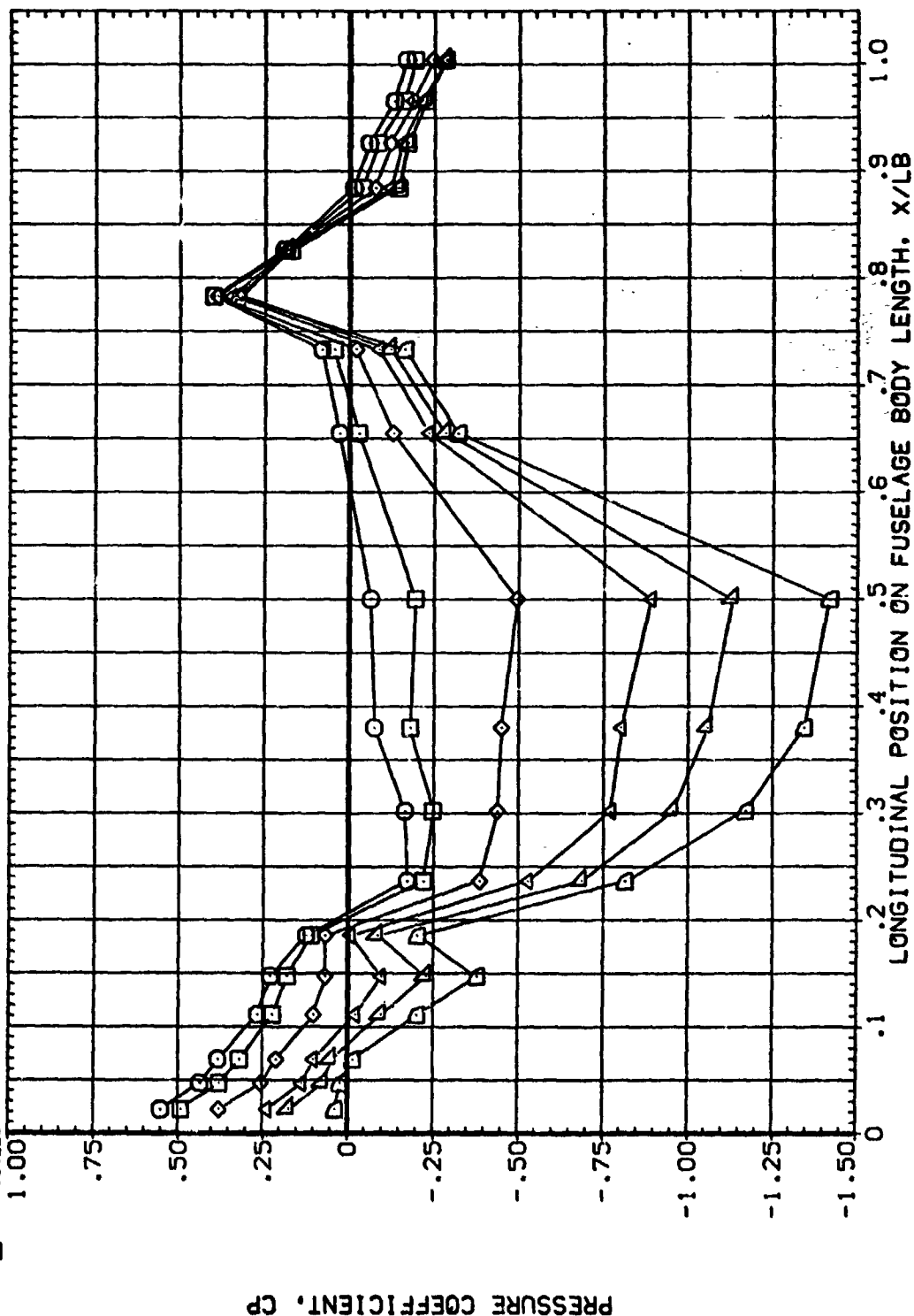


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(RDQB06)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BOFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 135.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
○ ◊ □ ▽ ▴

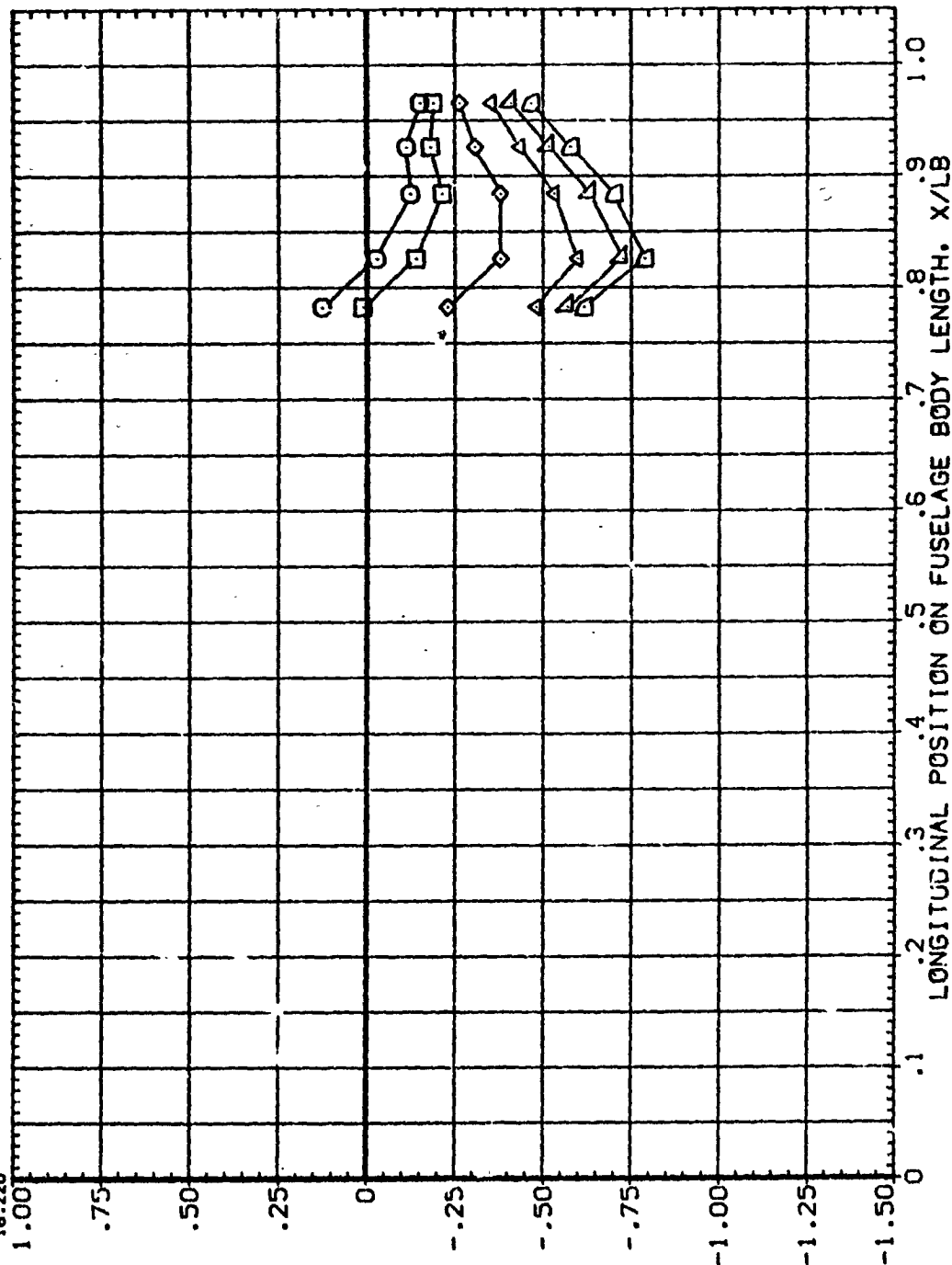
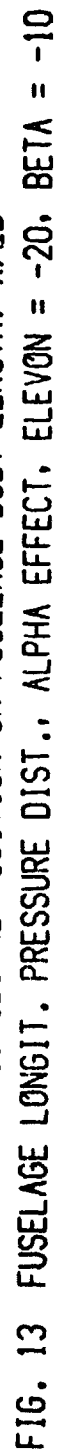


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

(R00806)

ALPHA	PHI	BETA
-2.980	150.000	-10.060

PARAMETRIC VALUES	
ELEVON	-20.000
RUDDER	.000
BDFLAP	-14.250
BETA	-10.000



(RDQB06)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
 FLEVON -20.000 RUDDER .000
 FLAP -14.250 BETA -10.000

ALPHA PHI BETA
 -2.980 165.000 -10.060
 .020
 5.020
 10.090
 13.190
 16.220

SYMBOL
 □ ◇ △ ▽ ▹ ▸

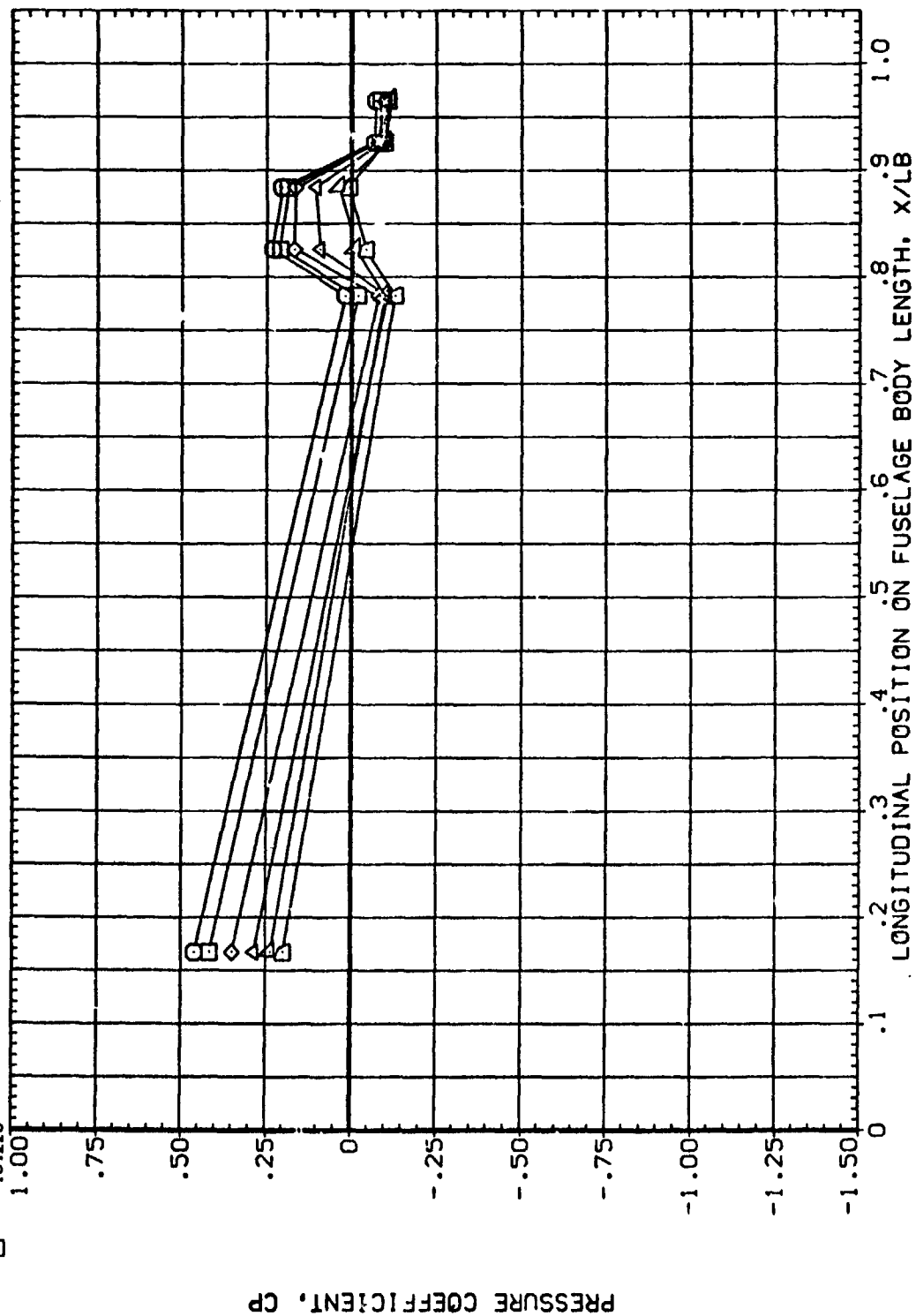


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R0Q806)
 PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

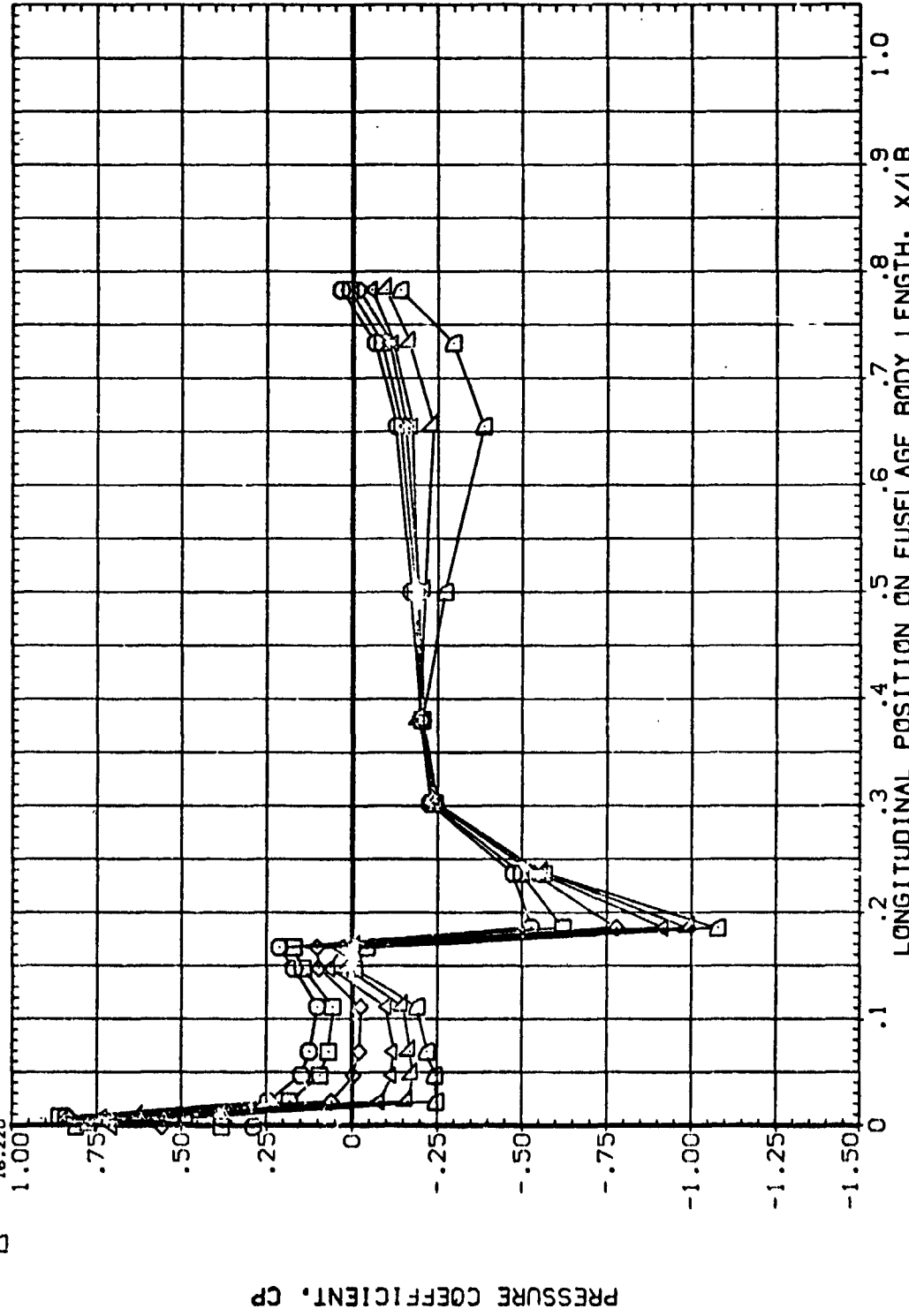


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

(RDQB07)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES		
				ELEVON BOFLAP	RUDDER BETA	.000 .000
▽	-2.950	.000	-.010	-20.000		
▽	.050			-14.250		
▽	5.030					
▽	10.100					
▽	13.220					
▽	16.240					

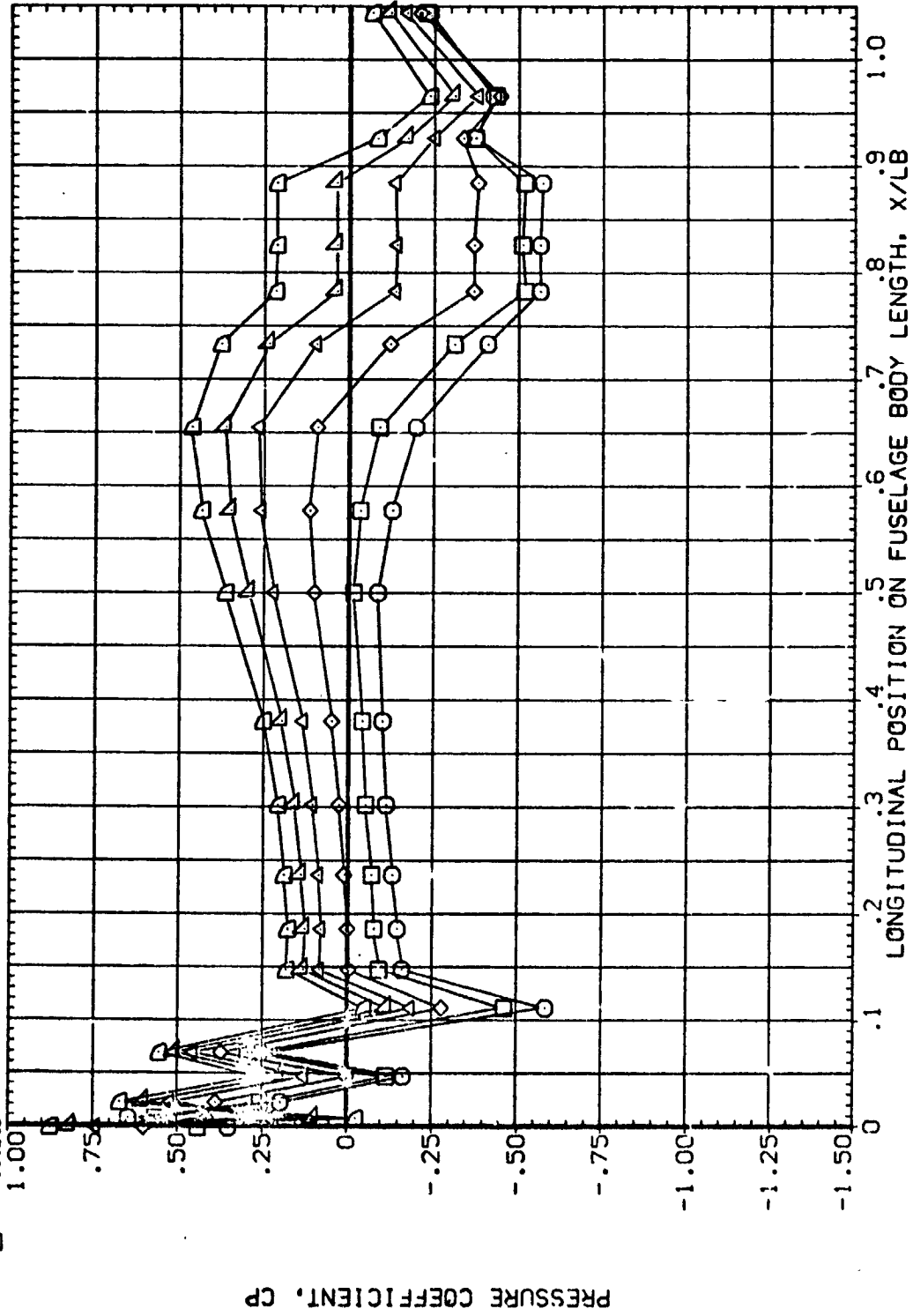


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0607)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 20.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽ ▽ ◊ □ ▽

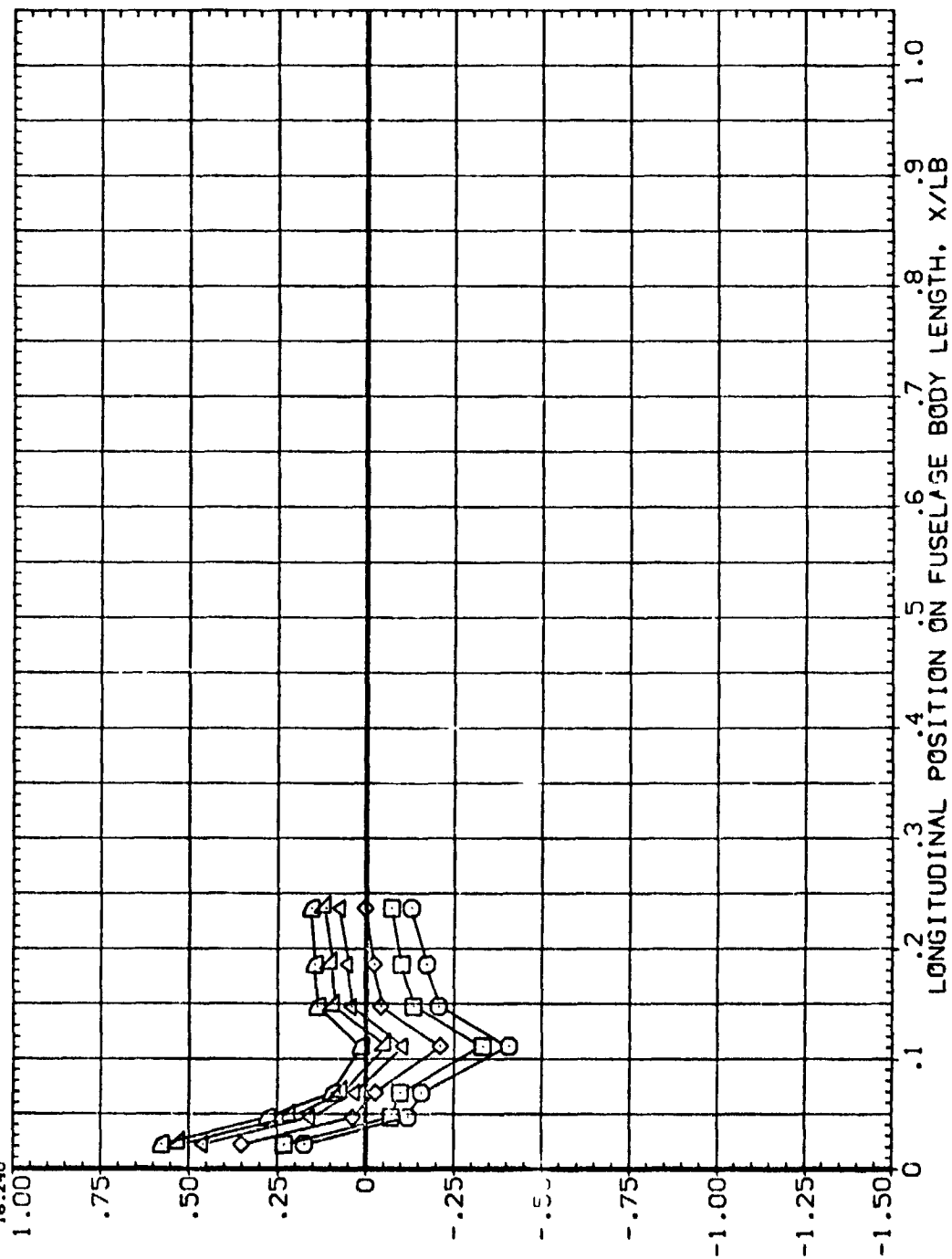


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(RDQB07)

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 40.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹ ▸

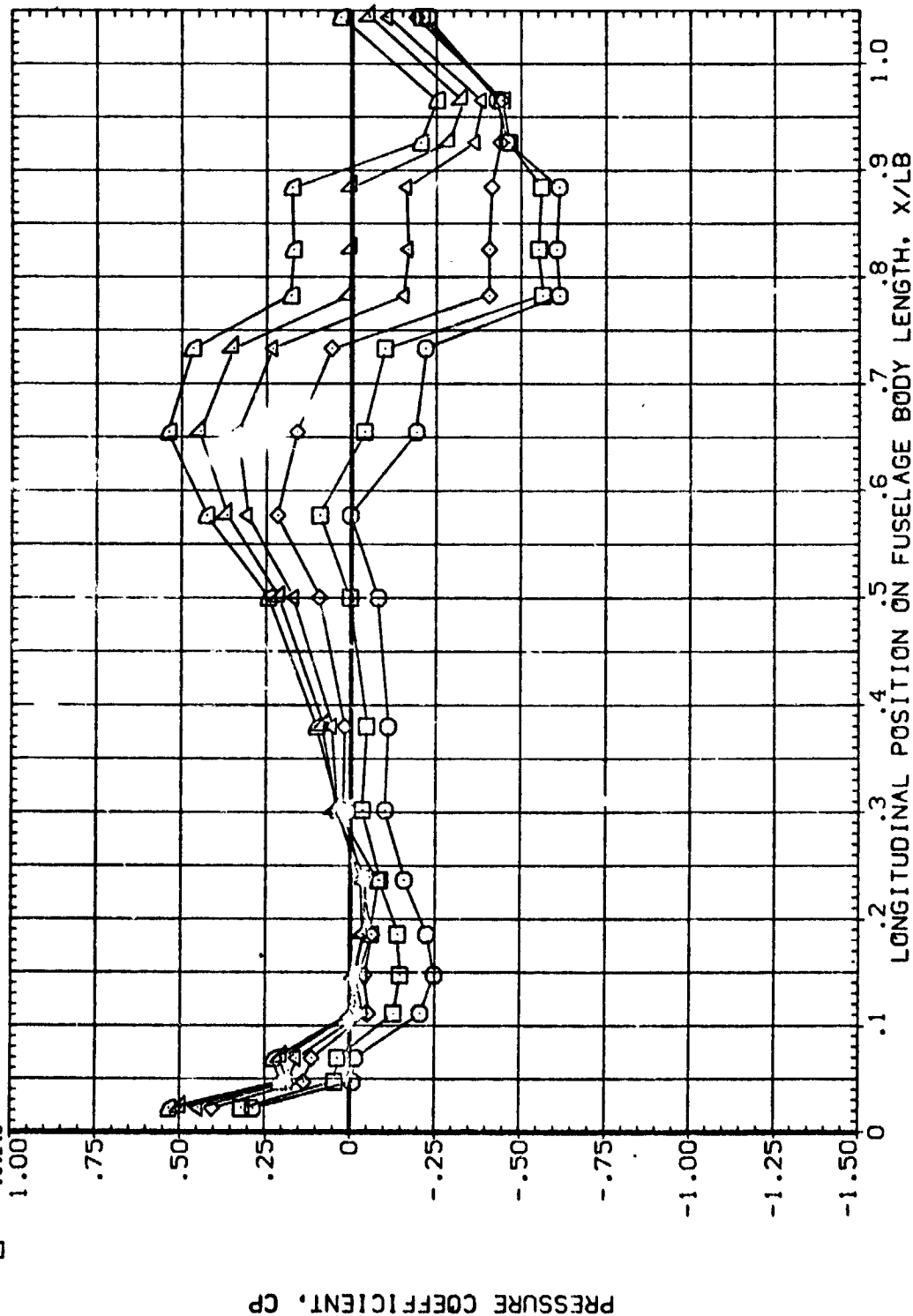


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00807)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 55.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽ ▽ ◊ □ ○

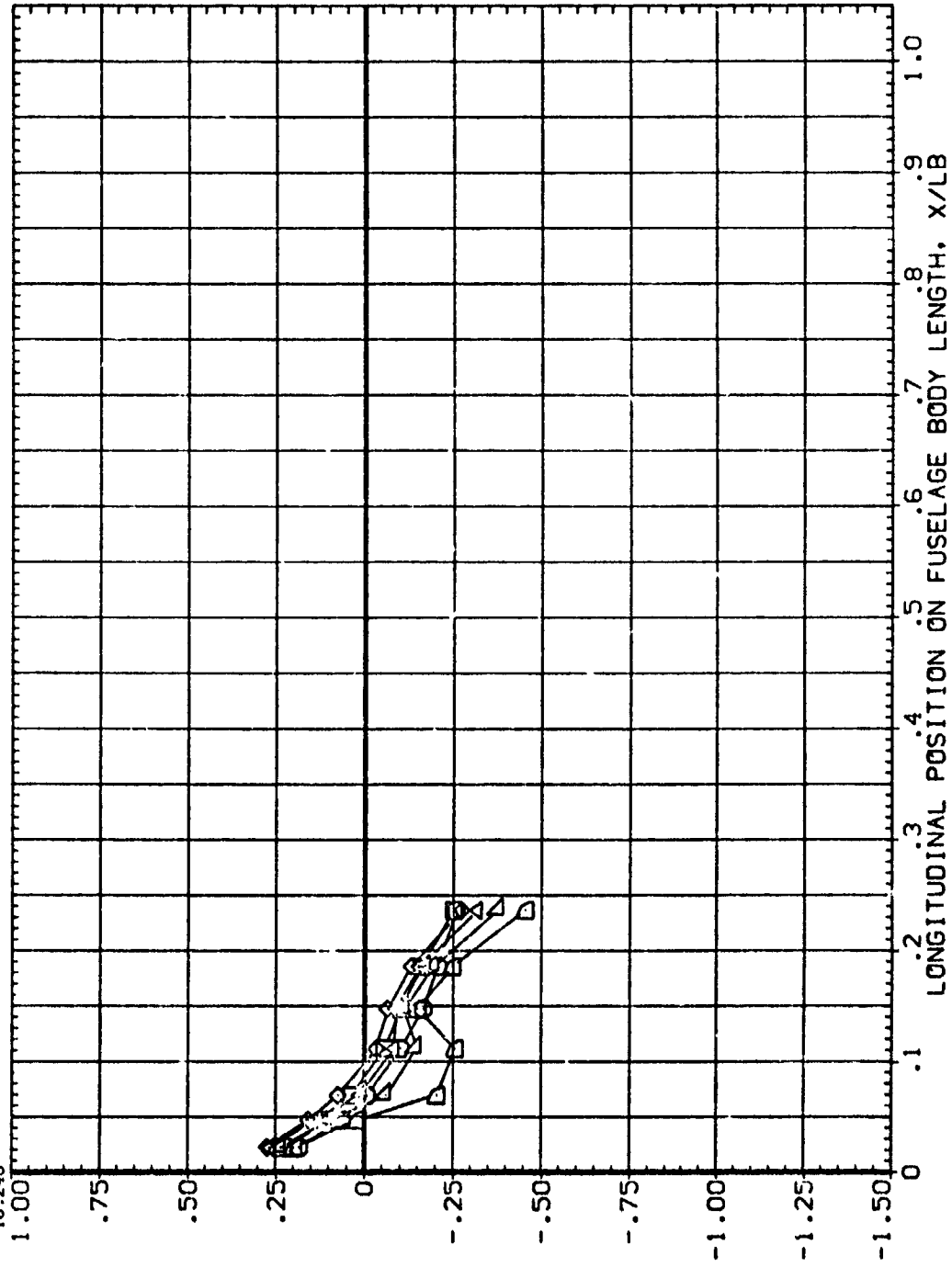


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(RDQB07)

B26C9G15M7F8W116E26V8R5X3 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 70.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽ ▽ ◆ □

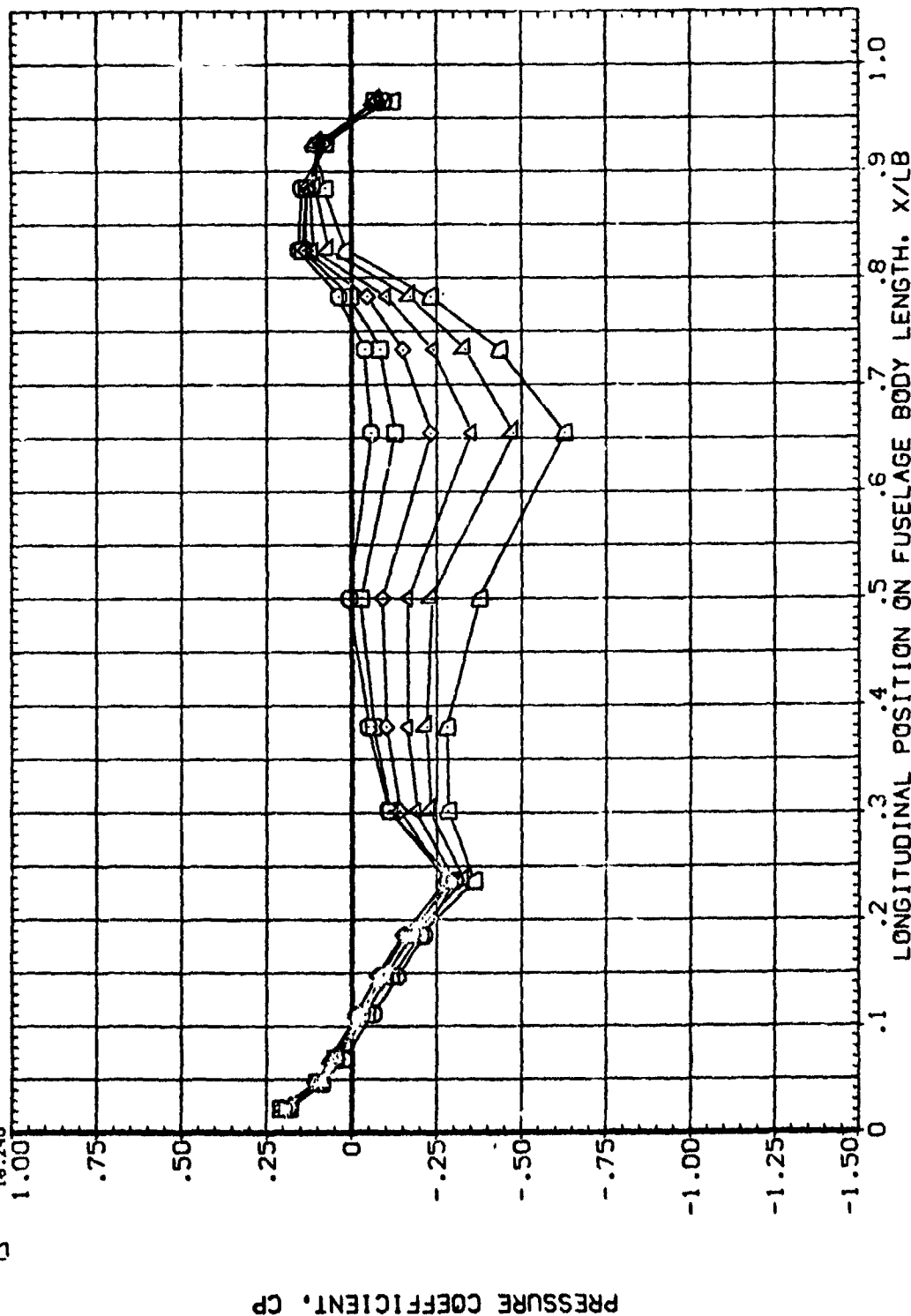


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(RDCB073)

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

PH: 90.000 BETA -.010

PARAMETRIC VALUES	
ELEVON	-20.000 RUDDER
BOFLAP	-14.250 BETA

000.000.

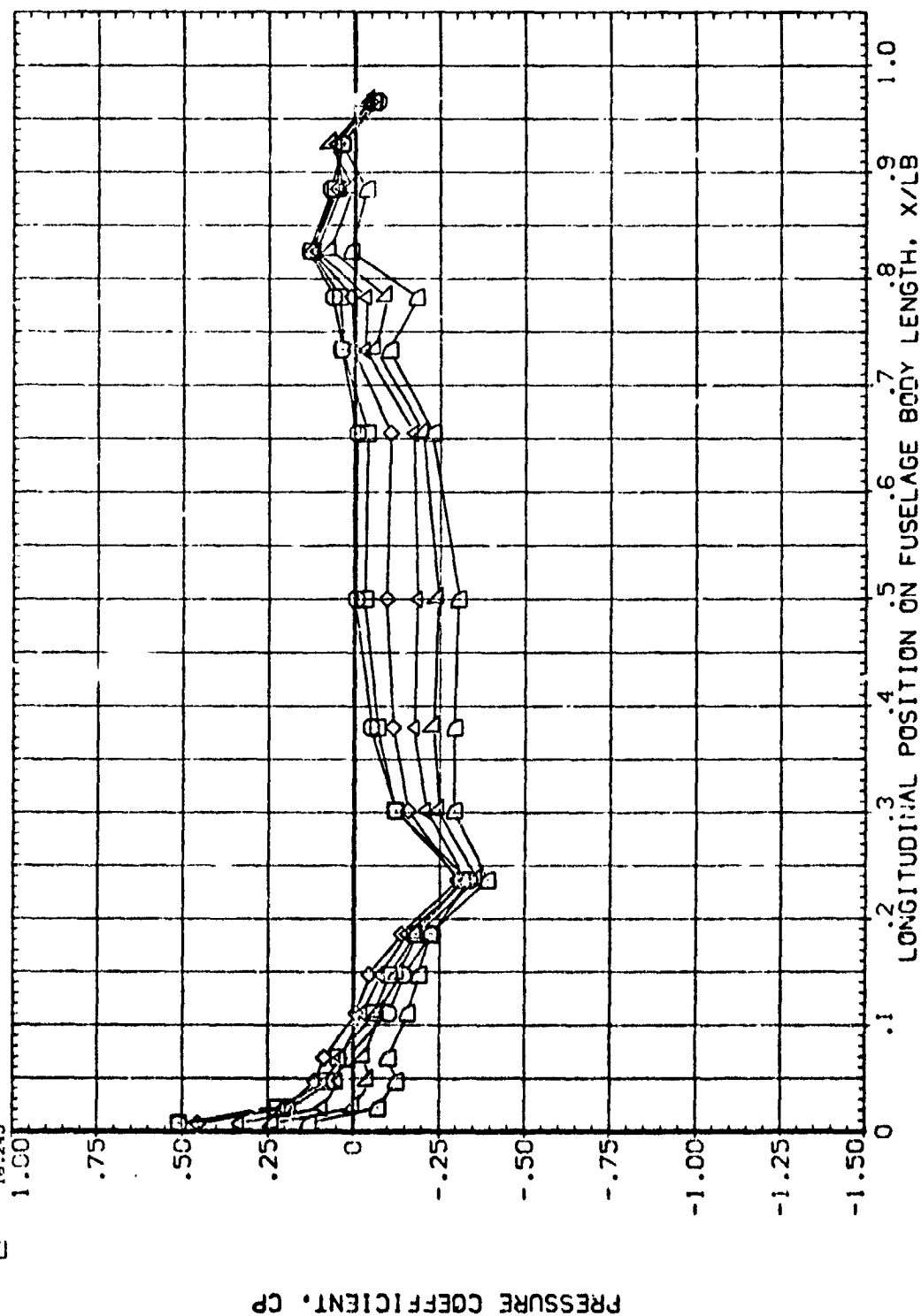


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT· ELEVON = -20, BETA = 0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RDQB07)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

PHI 105.000 BETA -.010

SYMBOL ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

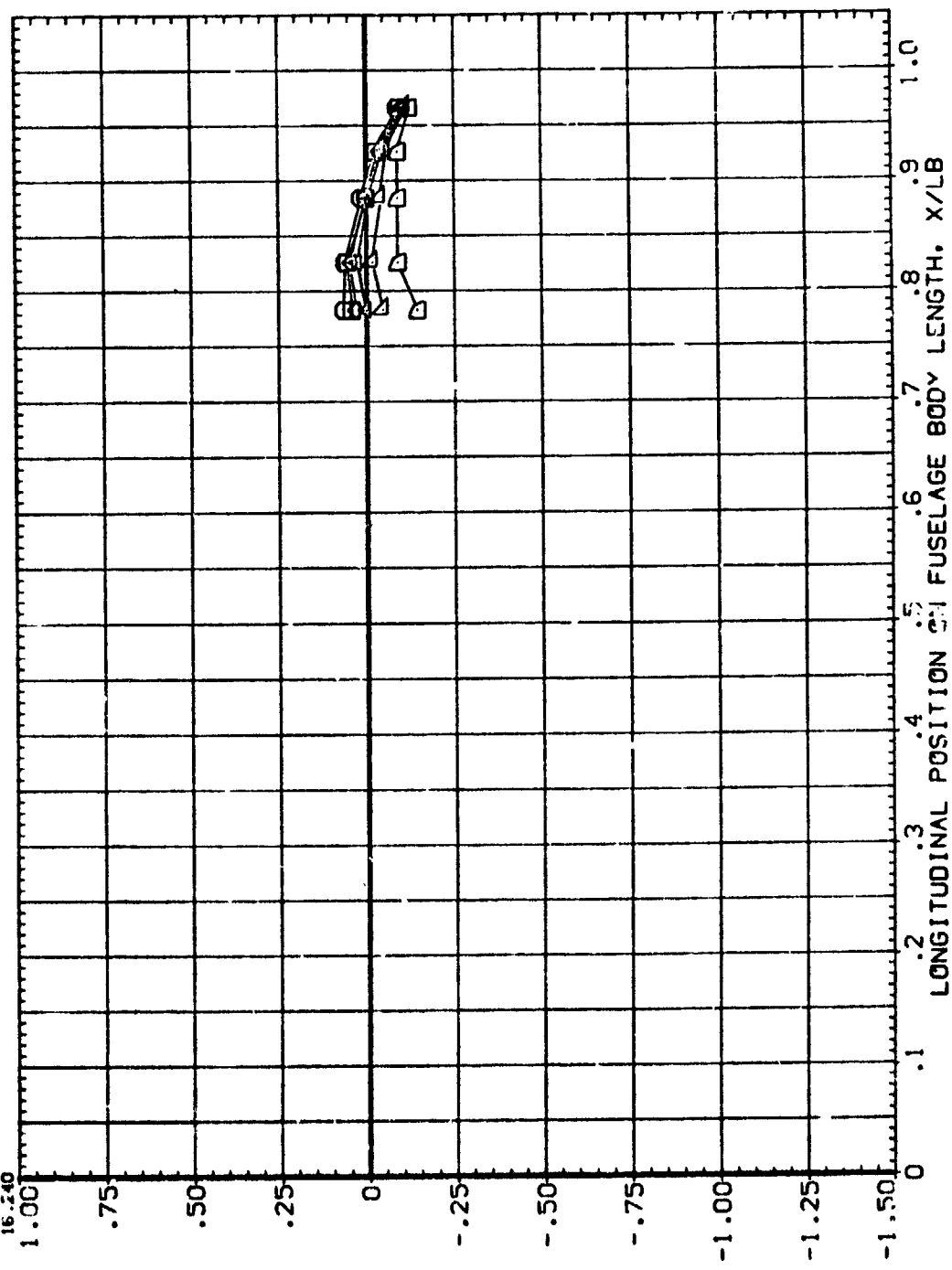


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B07)

PARAMETRIC VALUES	
ELEVON	-20.000
RUDDER	.000
BDFLAP	-14.250
BETA	.000

ALPHA	PHI	BETA
-2.950	120.000	-.010
.050		
5.030		
10.100		
13.220		
16.240		

SYMBOL
 ○
 □
 ◇
 △
 ▽

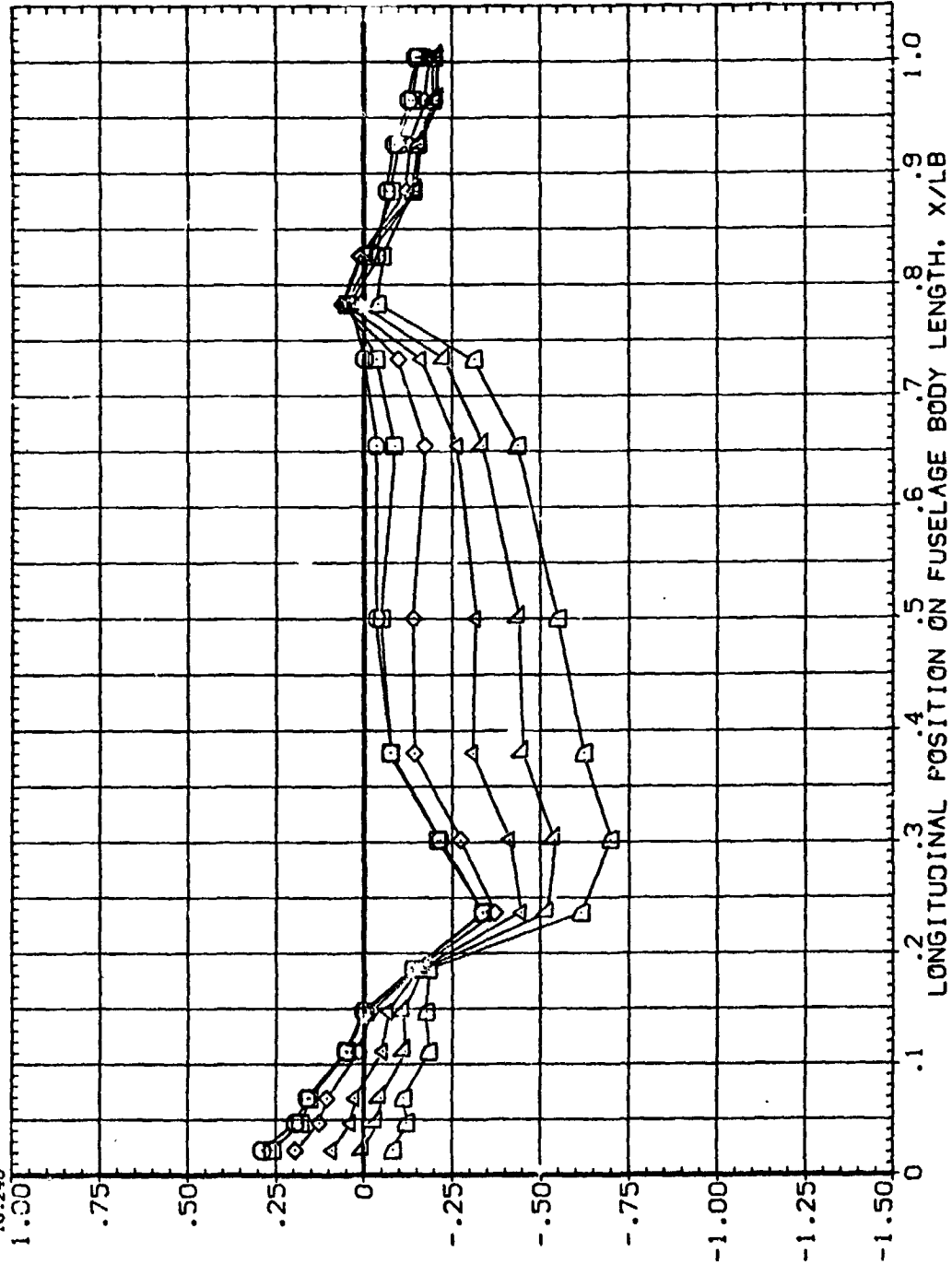



FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL 

ALPHA	PHI	BETA
-2.950	135.000	-0.010

PARAMETRIC VALUES	
ELEVON	-20.000 RUDDER
BOFLAP	-14.250 BETA

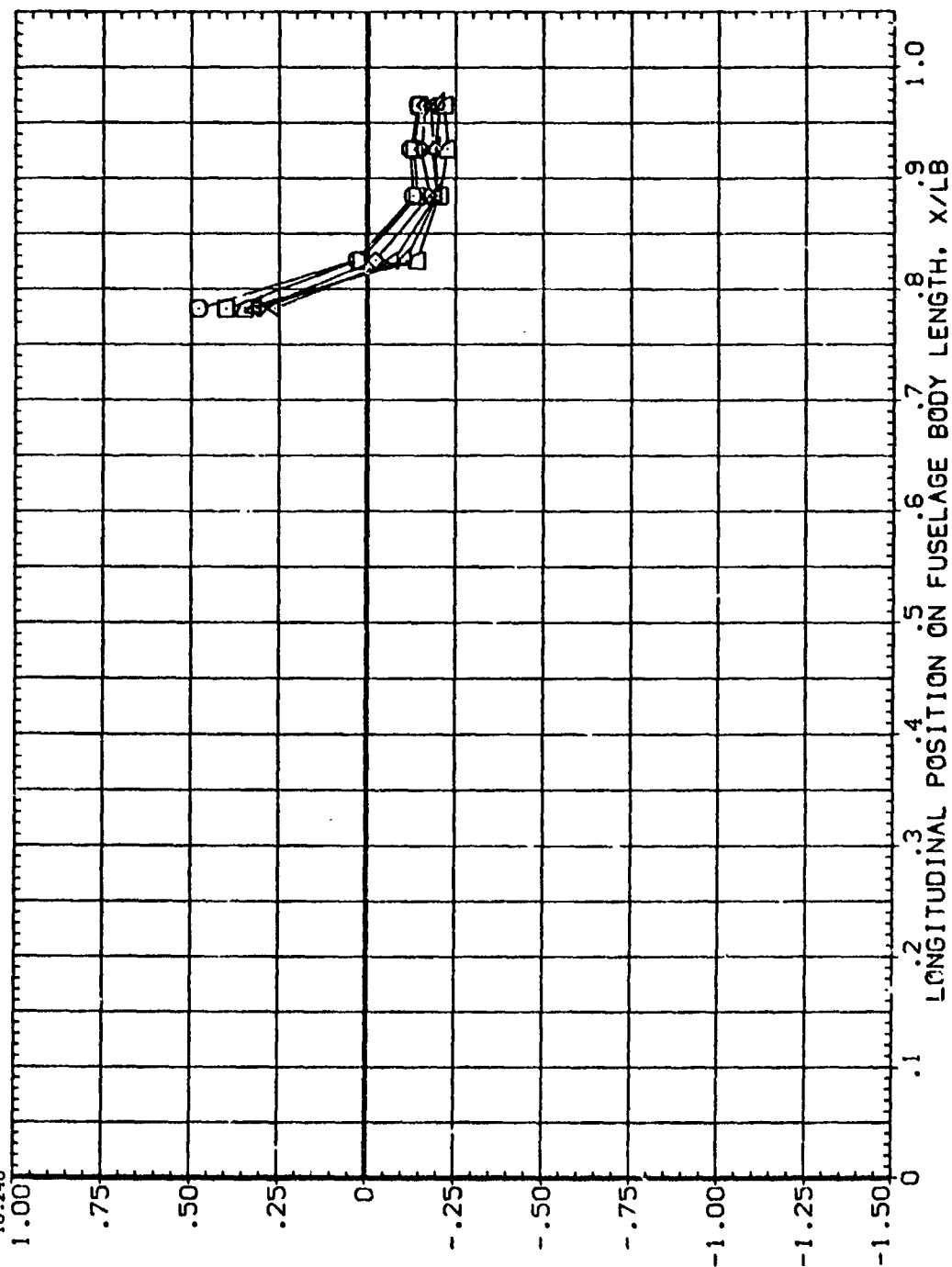


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB07)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 150.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽ ▽ ◊ □ ○

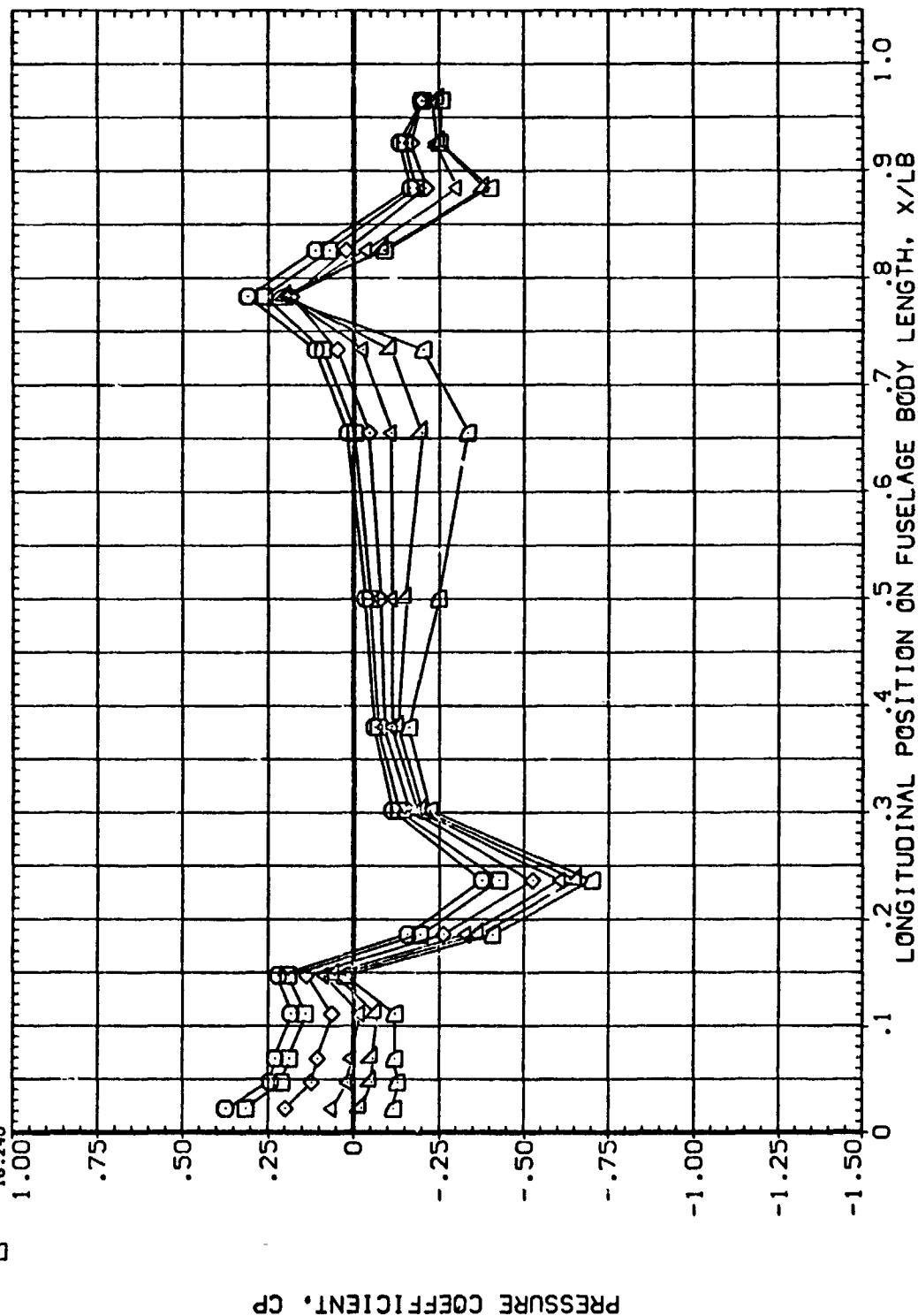


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(R00807)

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

PARAMETRIC VALUES	
ELEVON	-20.000 RUDDER
80FLAP	-14.250 BETA

000.
000.

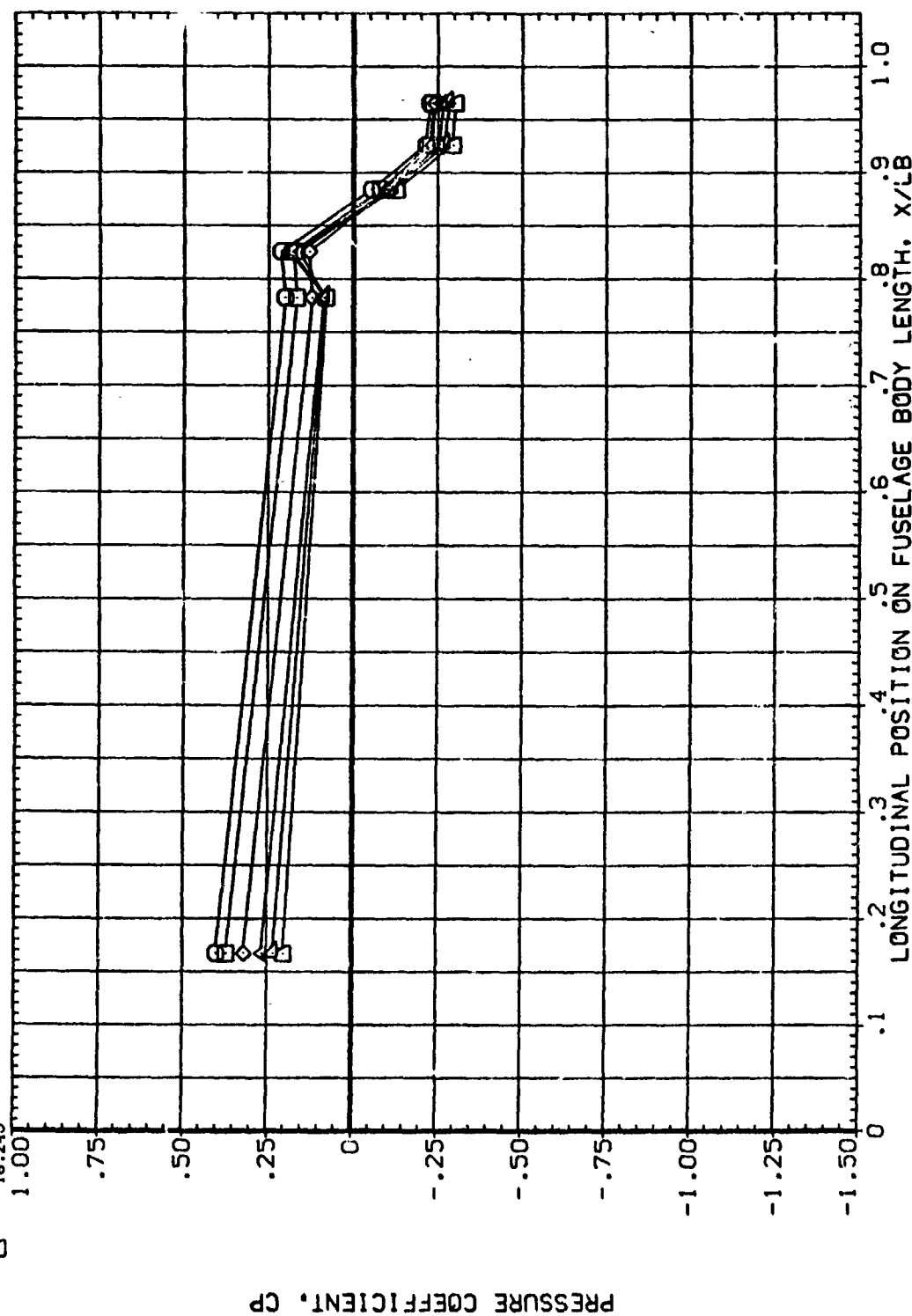


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0807)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
□	-2.950	180.000	-.010	ELEVON -20.000 RUDDER .000
◇	.050			BDFLAP -14.250 BETA .000
△	5.030			
▽	10.100			
▽	13.220			
▽	16.240			

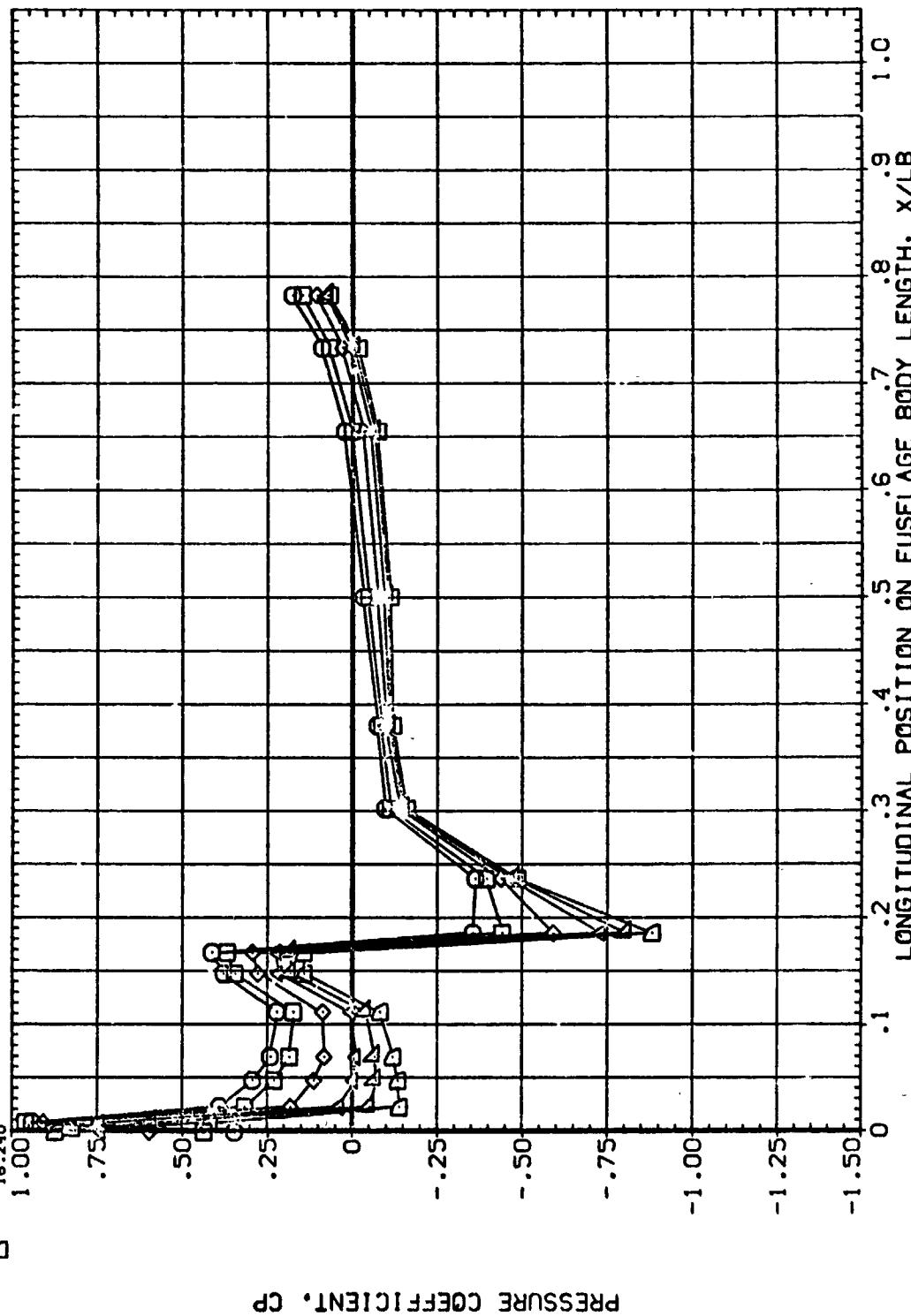


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(R00808)

326C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 .000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

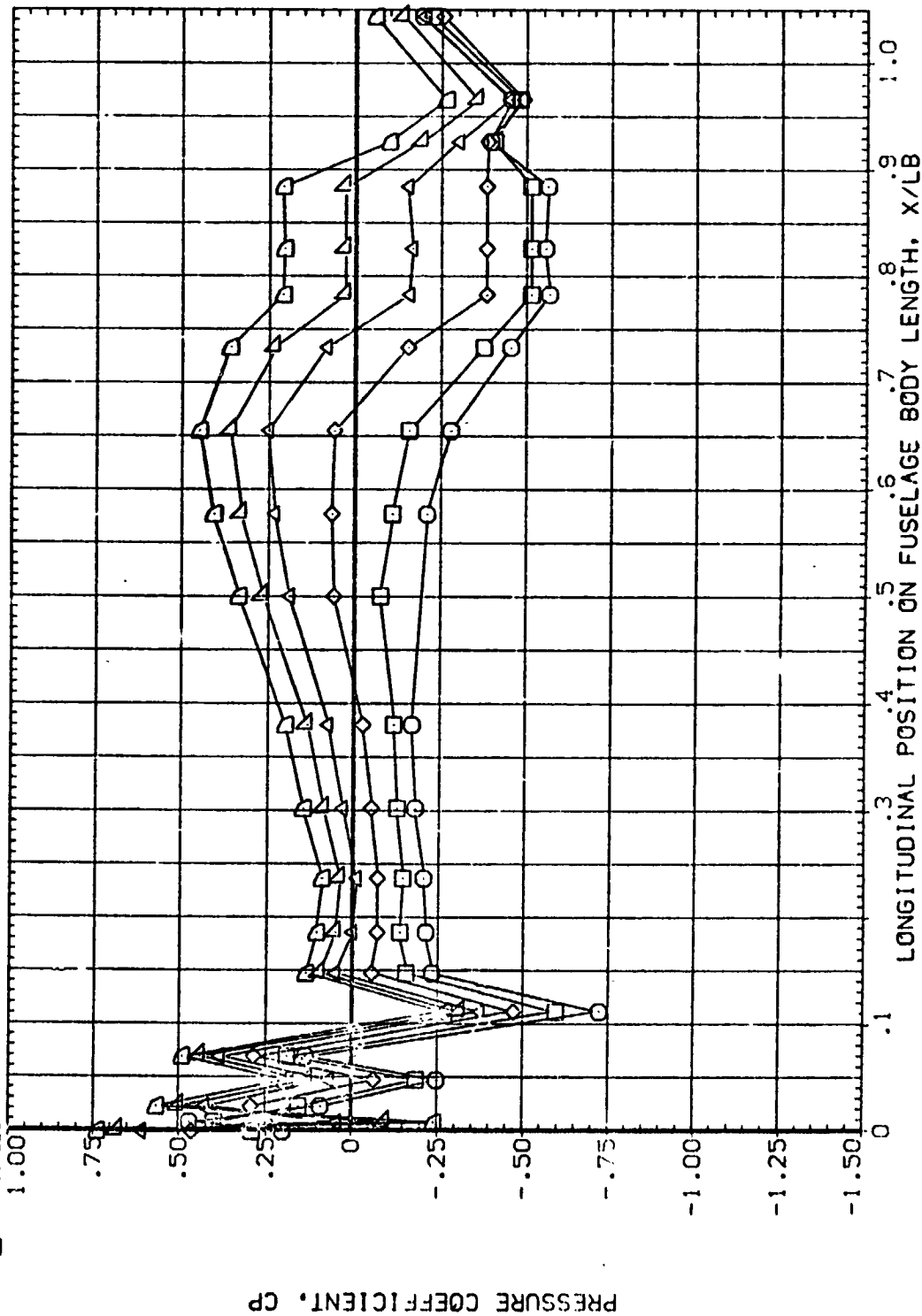


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W1:6E26V8RSX9 LEFT FUSELAGE (R00808)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
□	-23.000	10.000
◇	-14.250	10.000
△	-14.250	10.000
▽	-14.250	10.000
○	-14.250	10.000

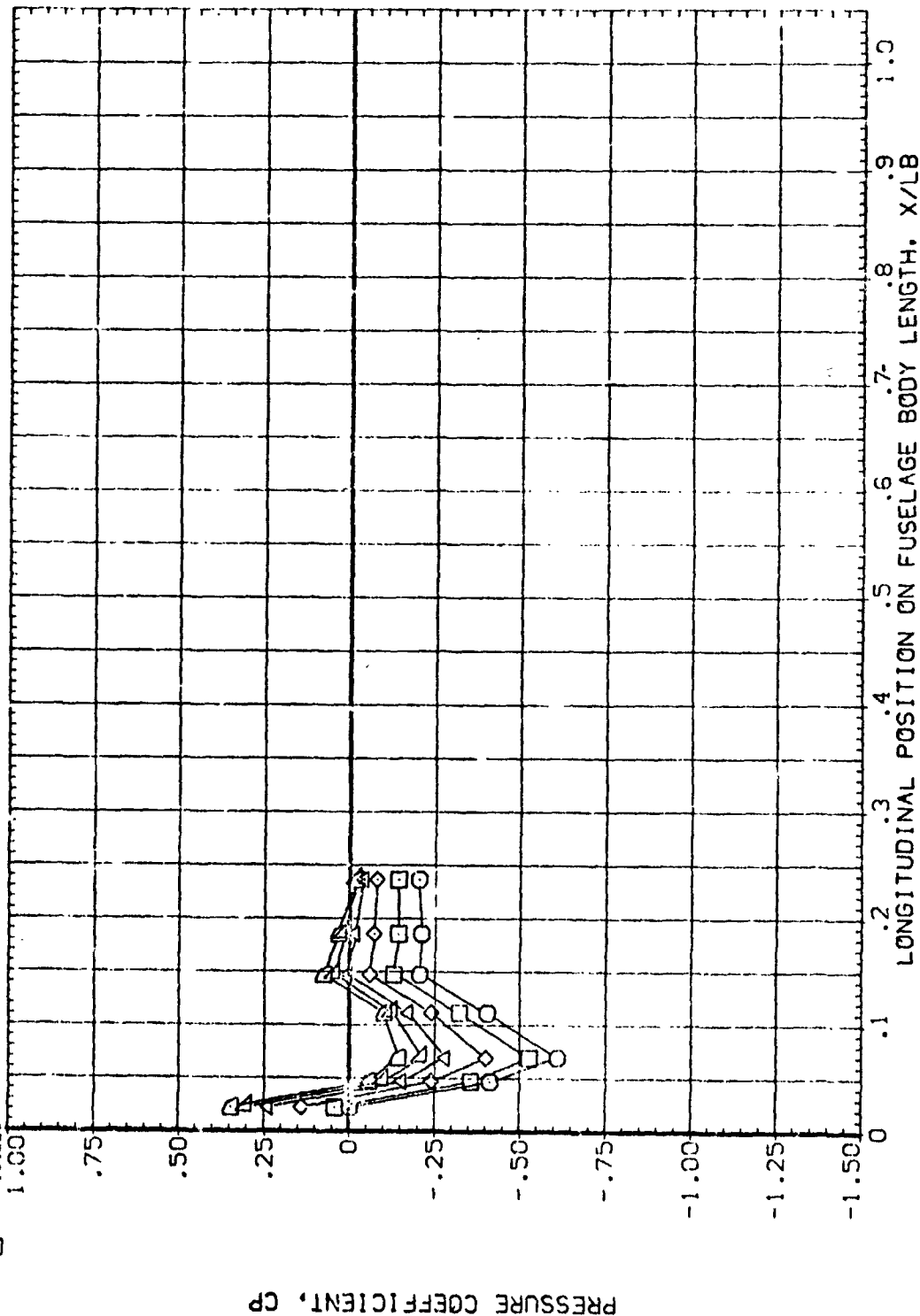


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7FSW116E26V8R5X9 LEFT FUSELAGE (R00B08)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER -000
BDFLAP -14.250 BETA 10.000

ALPHA PH-1 BETA
-2.970 40.000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

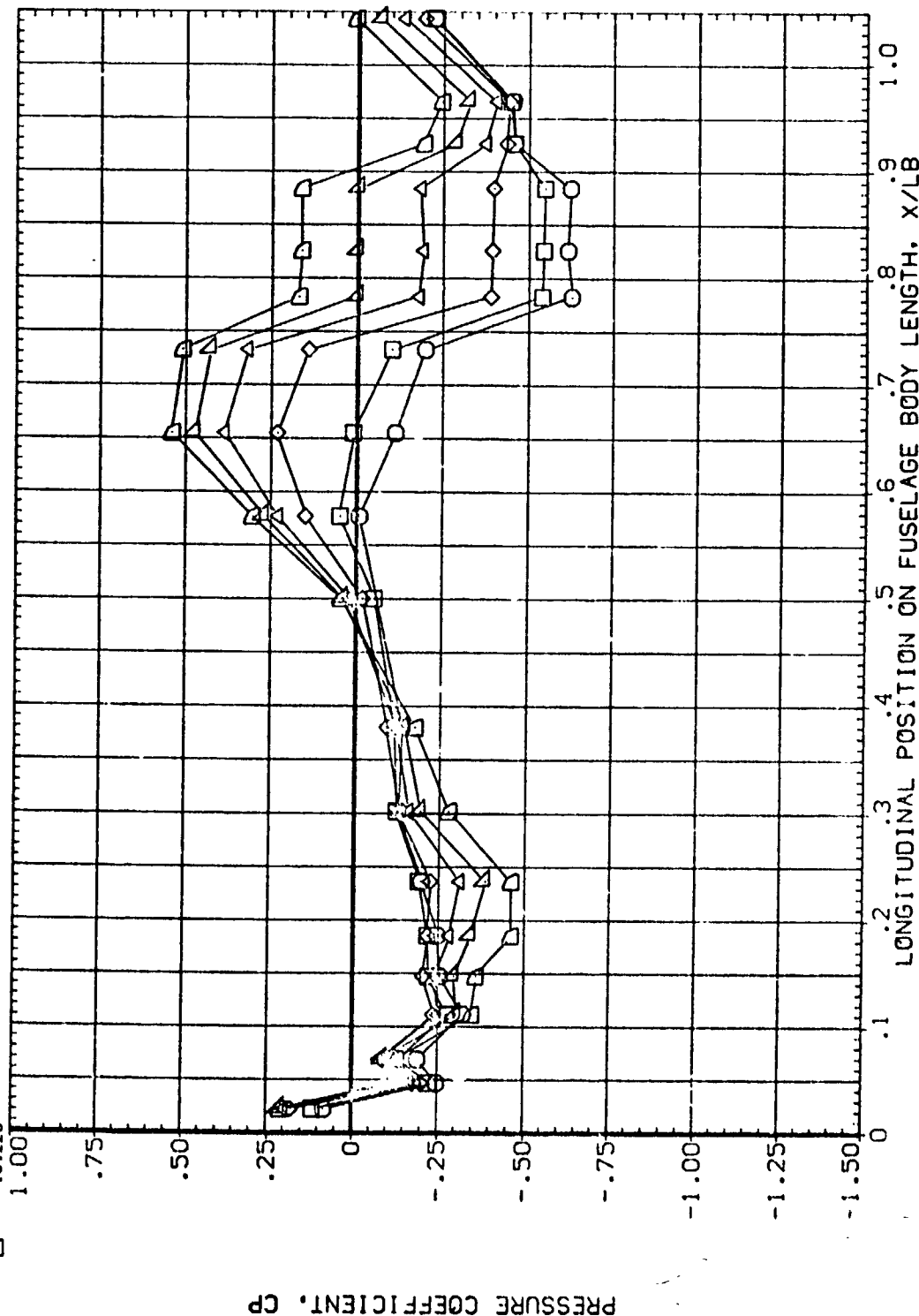


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F9W116E26V8R5X9 LEFT FUSELAGE (RD0808)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
□	-2.970	55.000	10.050	ELEVON -20.000 RUDDER .000
◇	.030			BOFLAP -14.250 BETA 10.000
▽	5.020			
▽	10.120			
▽	13.190			
▽	16.220			

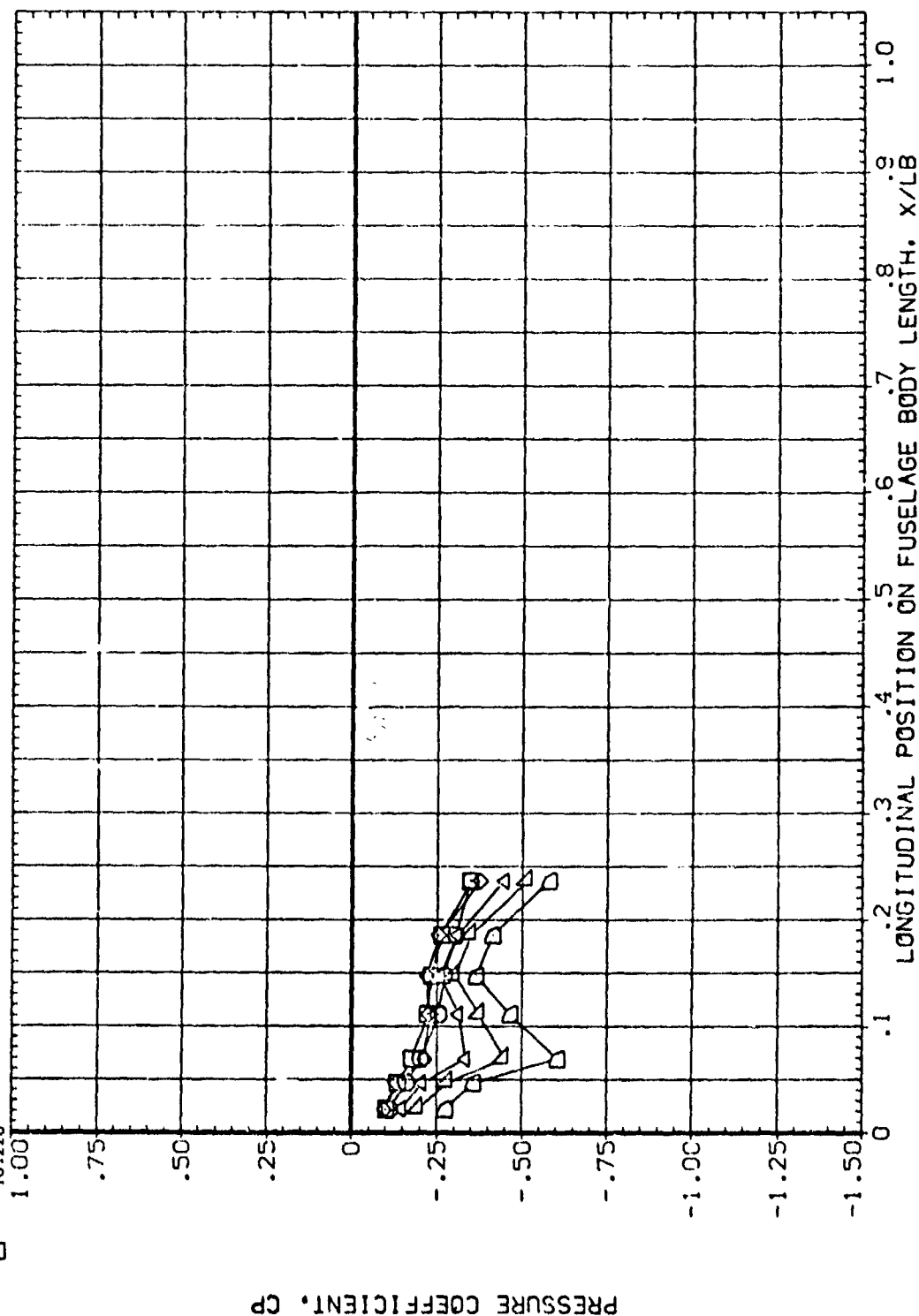


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RDQ308)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL
 □ ◇ △ ▽ ▹ ▸

ALPHA
 -2.970
 .030
 5.026
 10.120
 13.190
 16.270

PHI
 70.000

BETA
 10.350

PARAMETRIC VALUES
 ELEVON
 -20.000
 RUDER
 -14.250
 BETA
 10.000

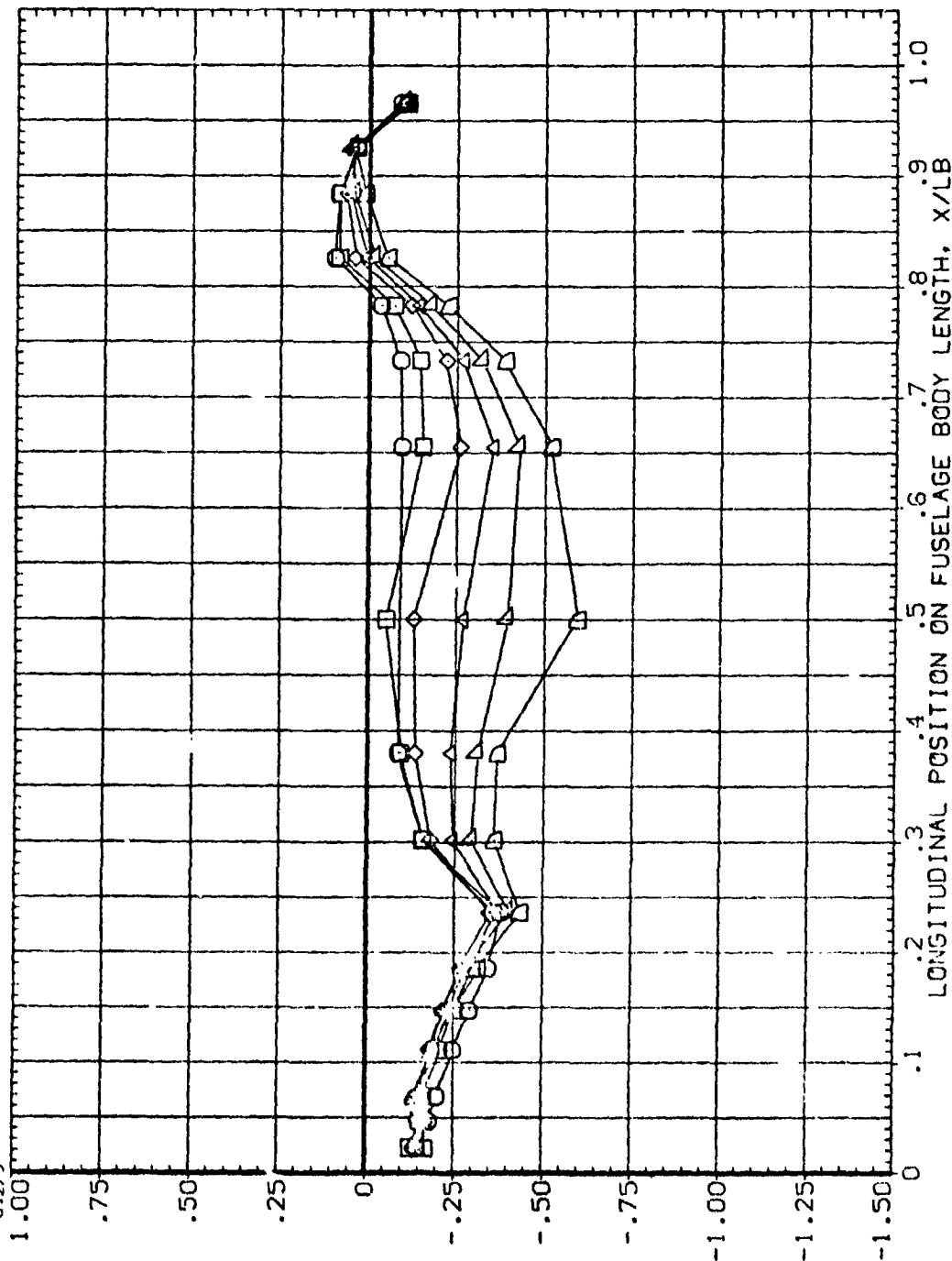


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00808)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
□	-20.000	.000
◇	-14.250	10.000
△		
▽		
○		

ALPHA	PHI	BETA
-2.970	90.000	10.050
.030		
5.020		
10.120		
13.190		
16.220		

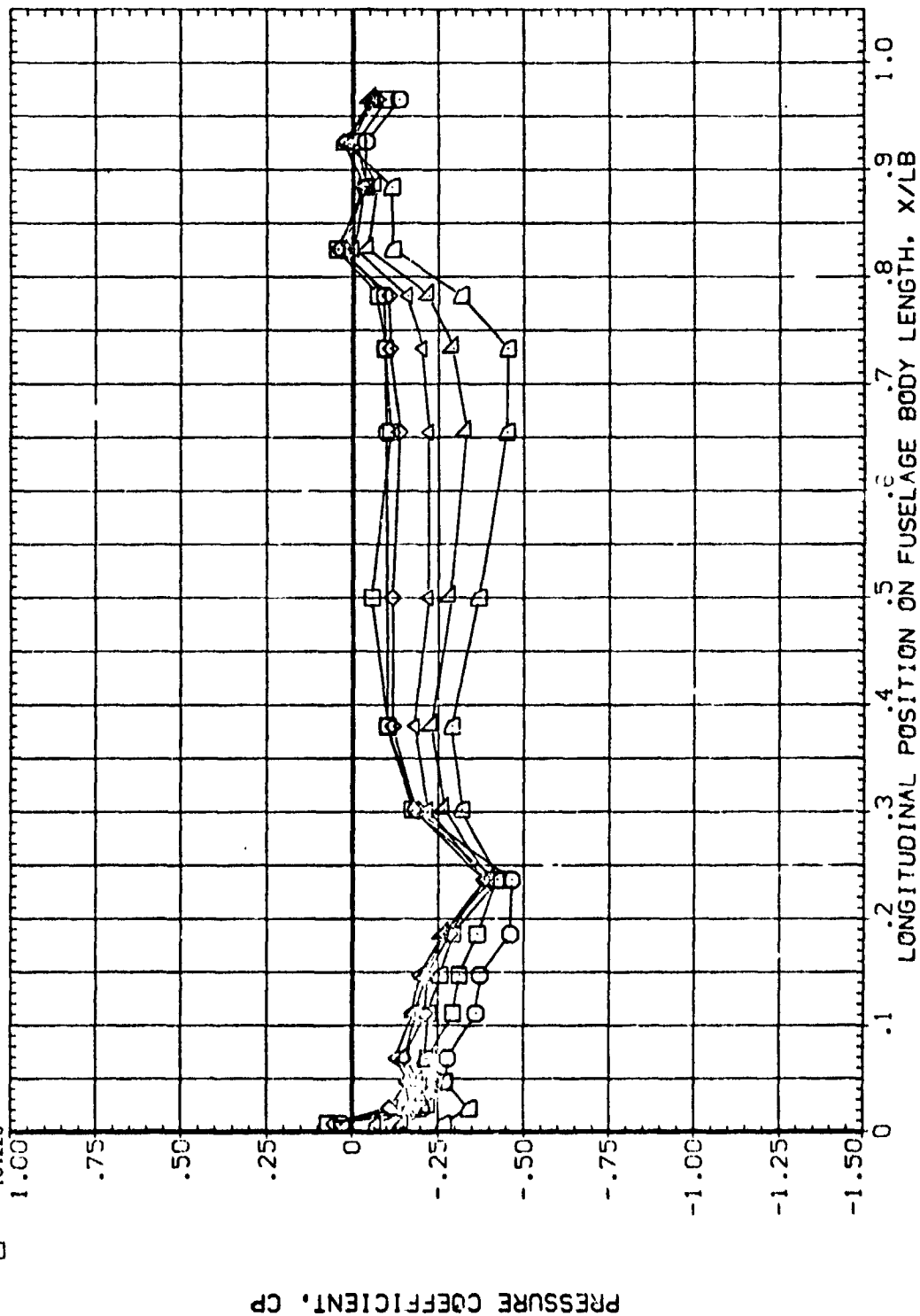



FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL 

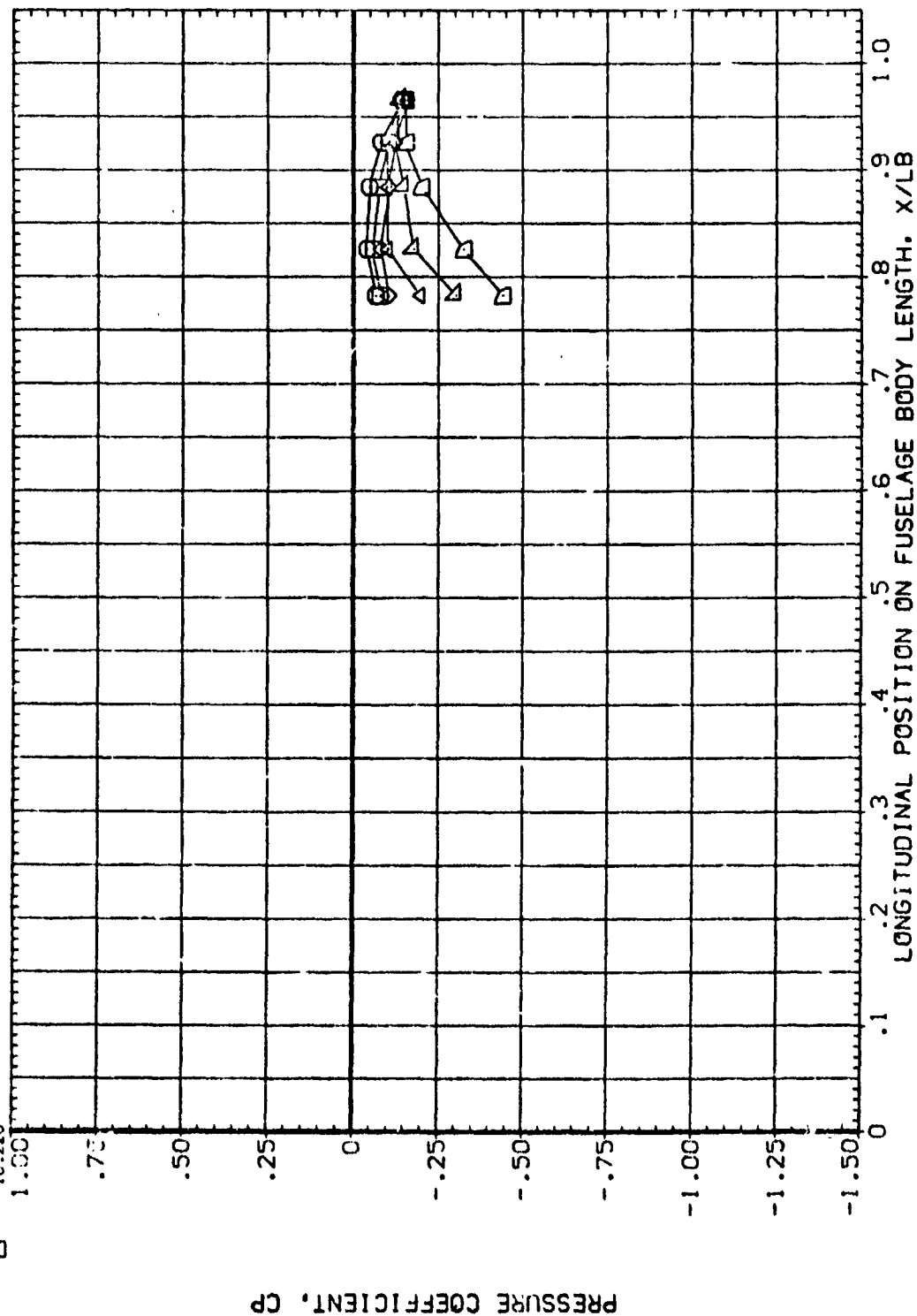


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

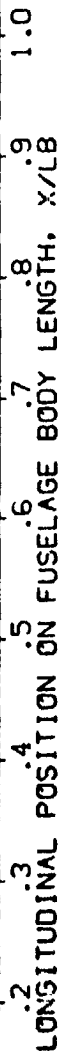
B26C9G15M7F8#116E26V8R5X9 LEFT FUSELAGE

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

PHI
120.000

PARAMETRIC VALUES	
ELEVON	-20.000 RUDDER
BDFLAP	-14.250 BETA

000.01
000.



PAGE 107

(RDCB08)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 135.000 10.050
-0.30
5.020
10.120
13.190
16.220

SYMBOL
▽
◇
□
○
△

PRESSURE COEFFICIENT, CP

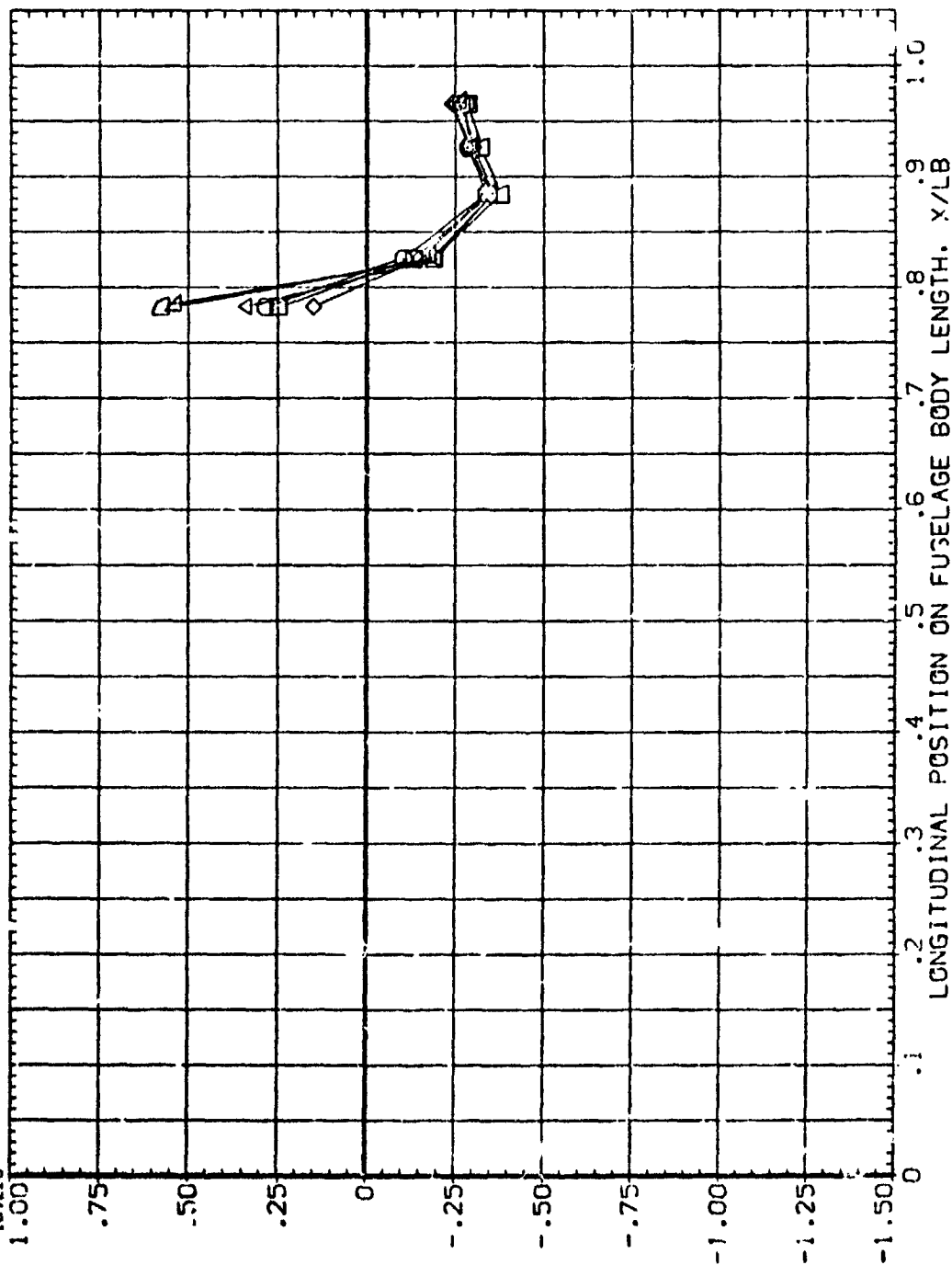


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE (R00B08)
 SYMBOL ALPHA PHI BETA
 -2.970 150.000 10.050
 .030
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA 10.000

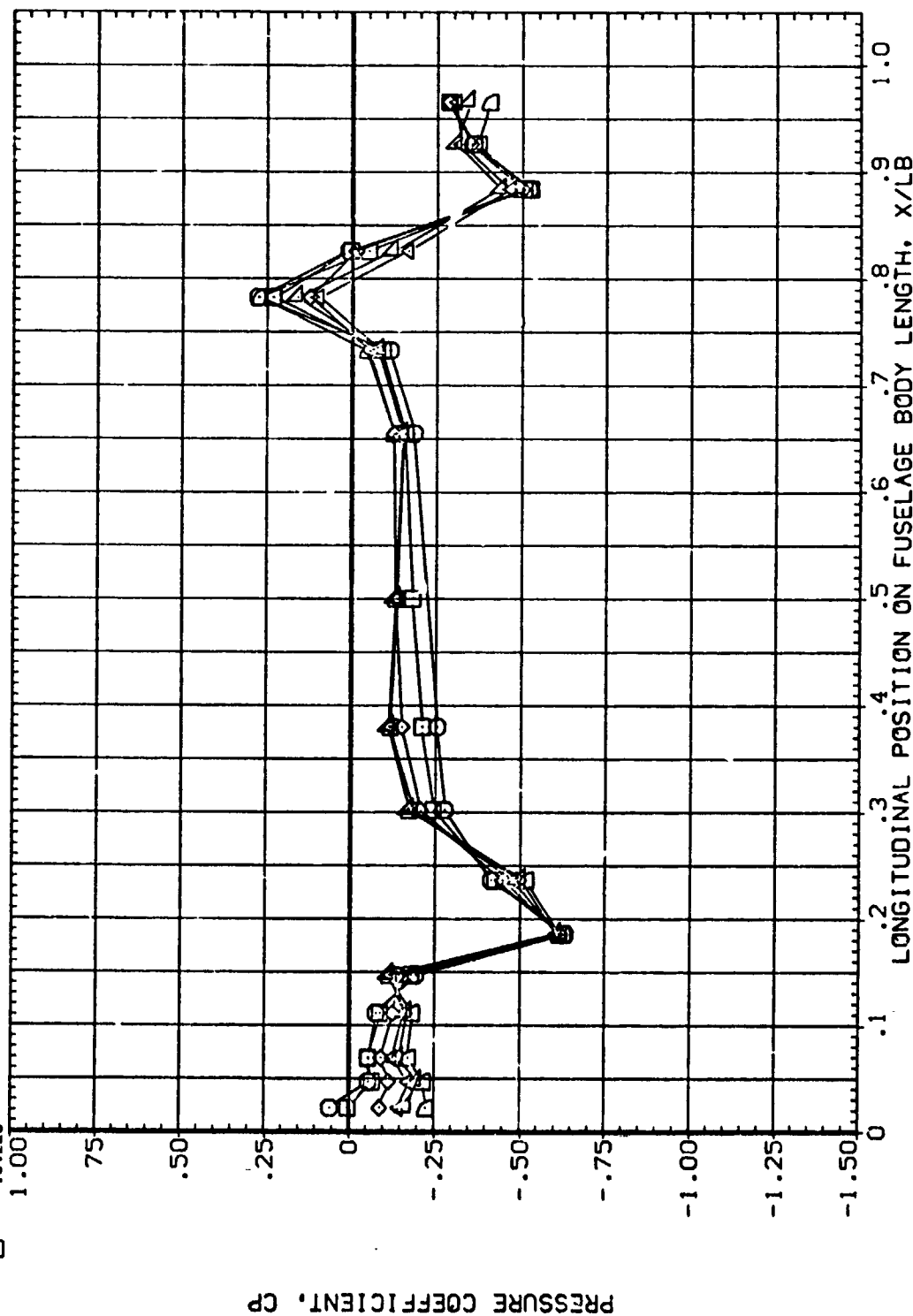


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

(RD0808)

B26C9G15M7F2W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES	
ELEVON	-20.00°
RUDDER	10.000
BDFLAP	-14.250
BETA	10.000

SYMBOL	ALPHA	PMI	BETA
○	-2.970	165.000	10.050
□	-0.70		
◇	5.020		
△	10.120		
▽	13.190		
◊	16.220		

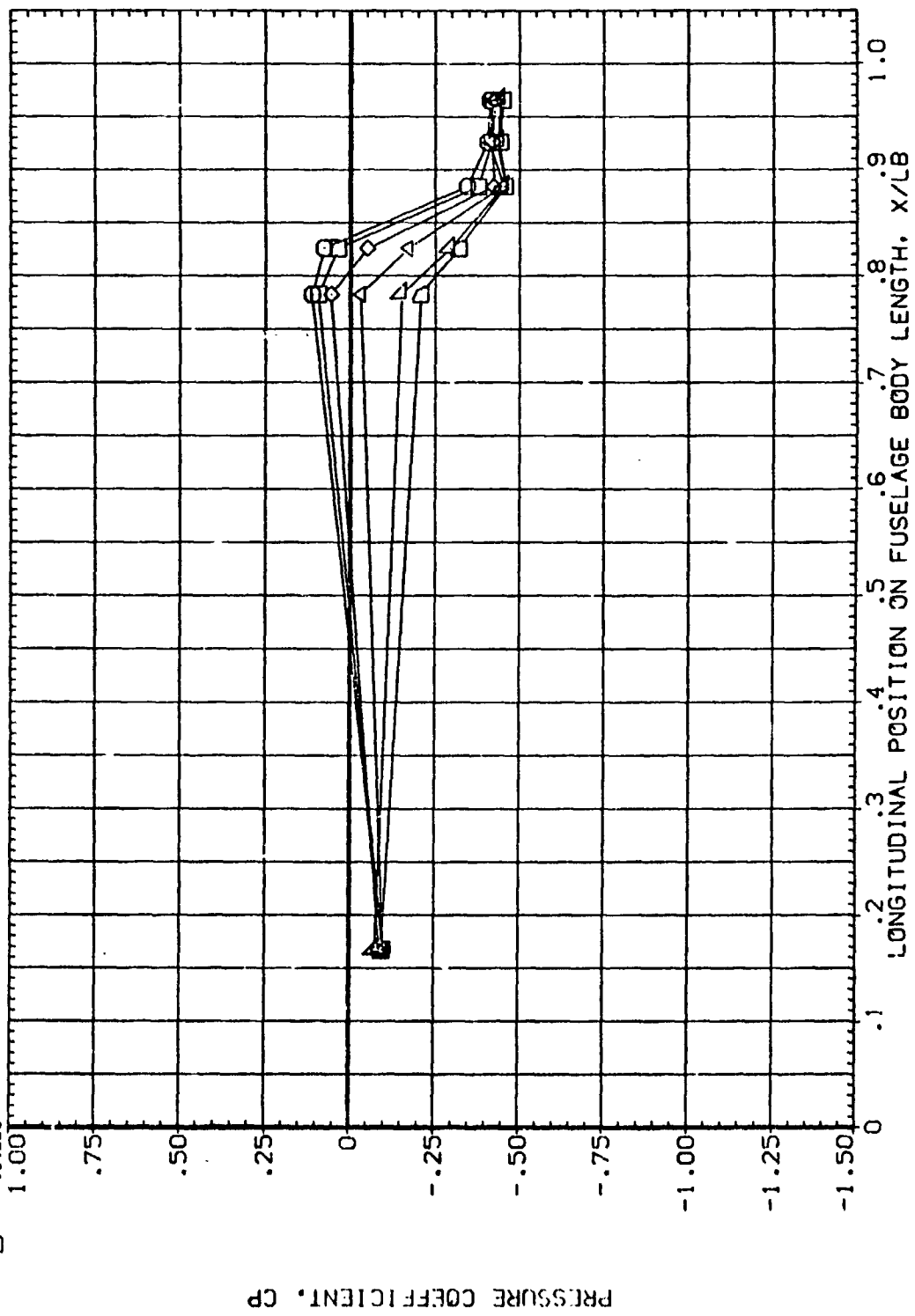


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
○	-2.970	180.000	10.050	ELEVON -20.000 RUDDER .000
□	.030			BOFLAP -14.250 BETA 10.000

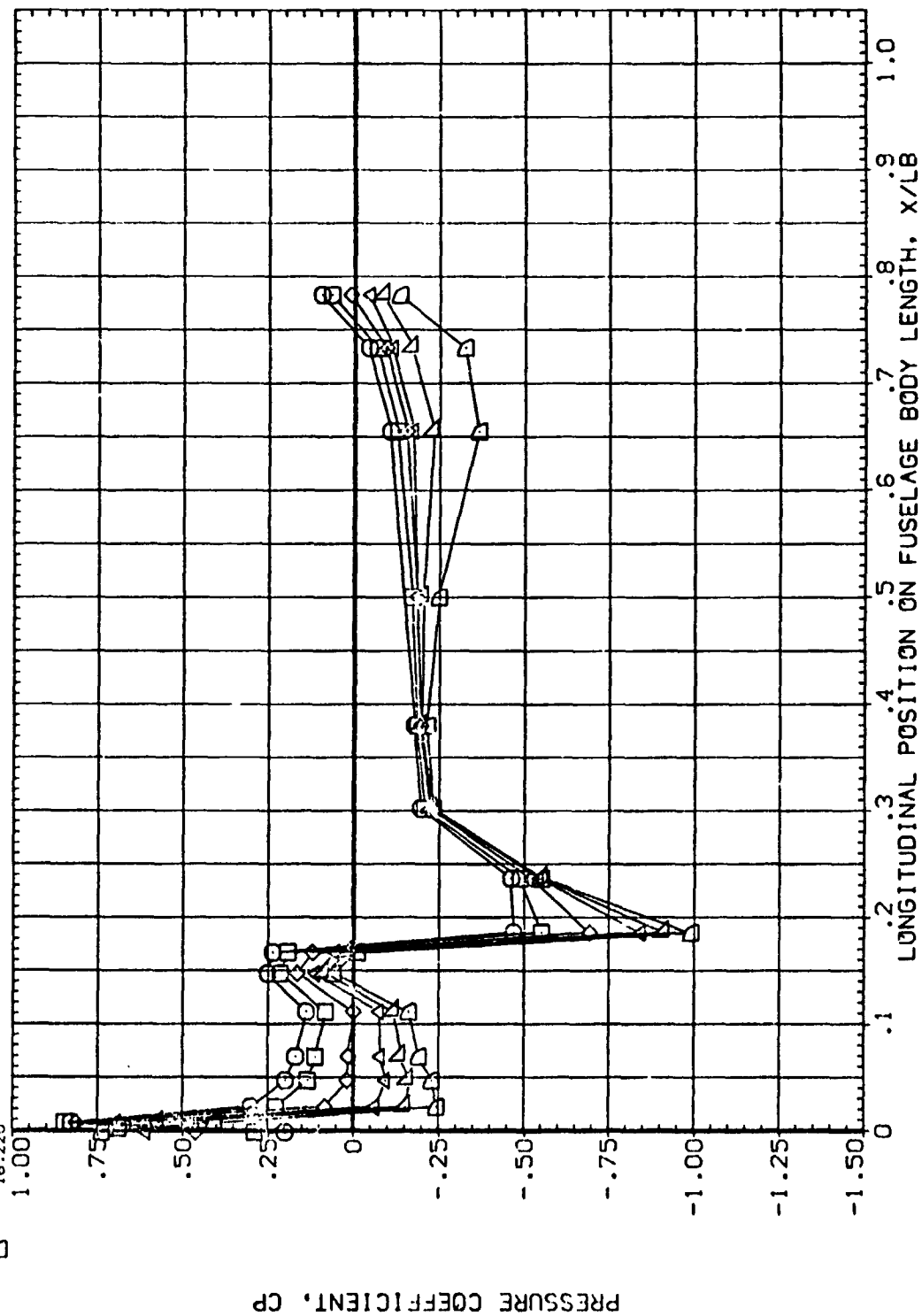


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

(R03809)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PMI BETA
-2.980 .000 -10.060
.020
5.020
10.080
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

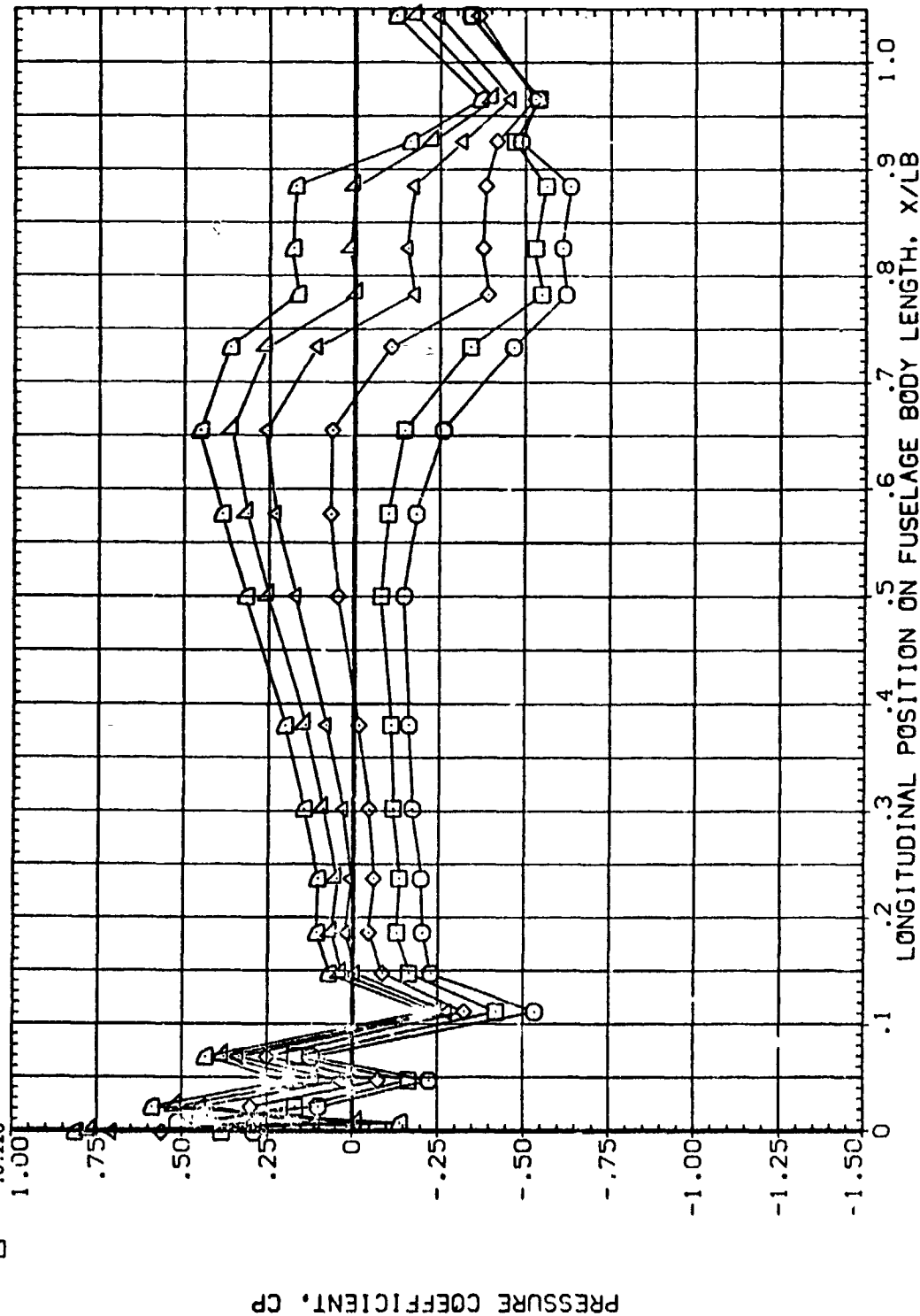


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

(R00809)

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

ALPHA	PHI	BETA
-2.980	20.000	-10.060

PARAMETRIC VALUES	
ELEVON	-40.000 RUDDER .000
8DFLAP	-14.250 BETA -10.000

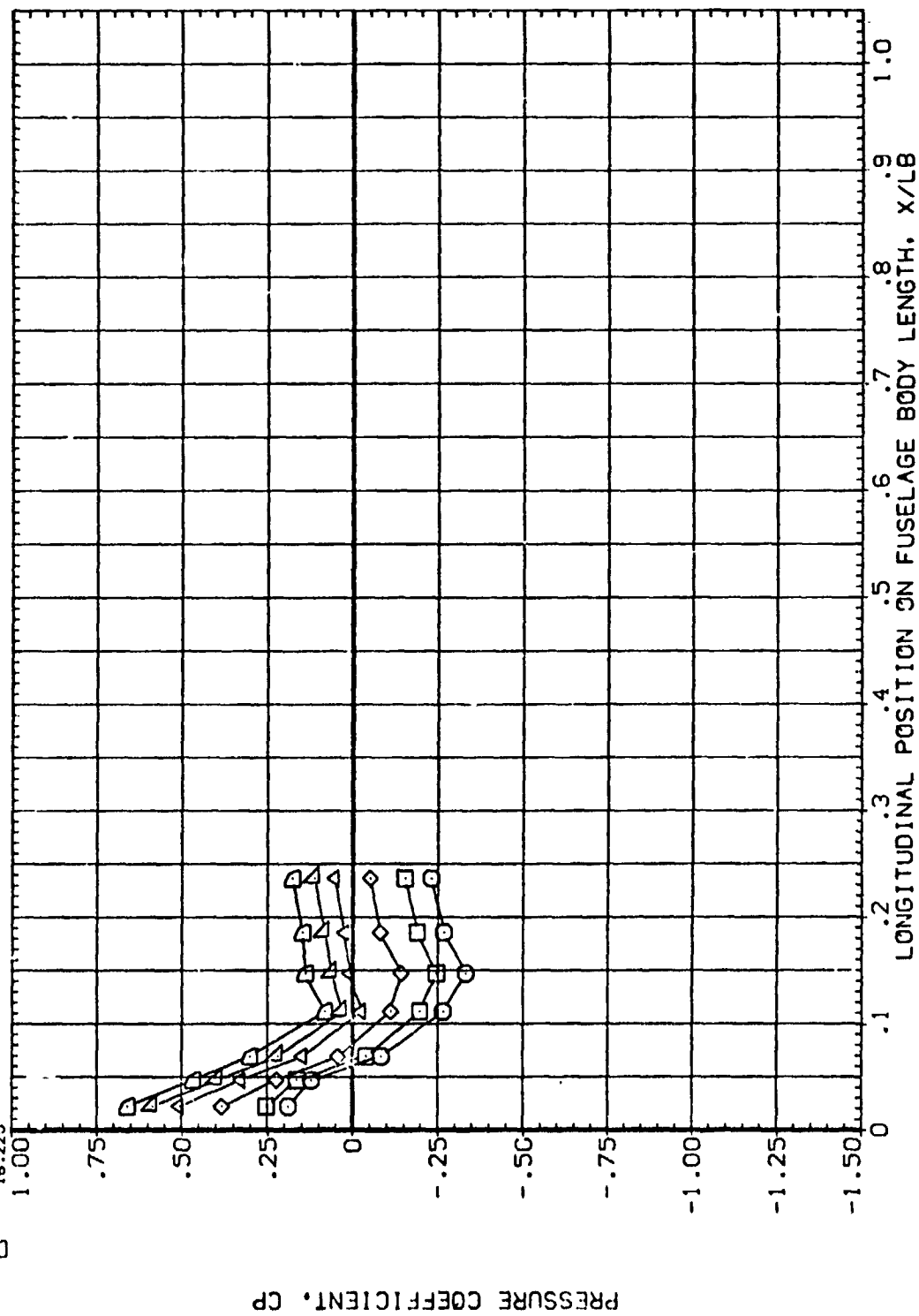


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQ809)

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
 -2.980 40.000 -10.060
 .020
 5.020
 10.090
 13.190
 16.220

SYMBOL
 □ ▽ ▴ ▾

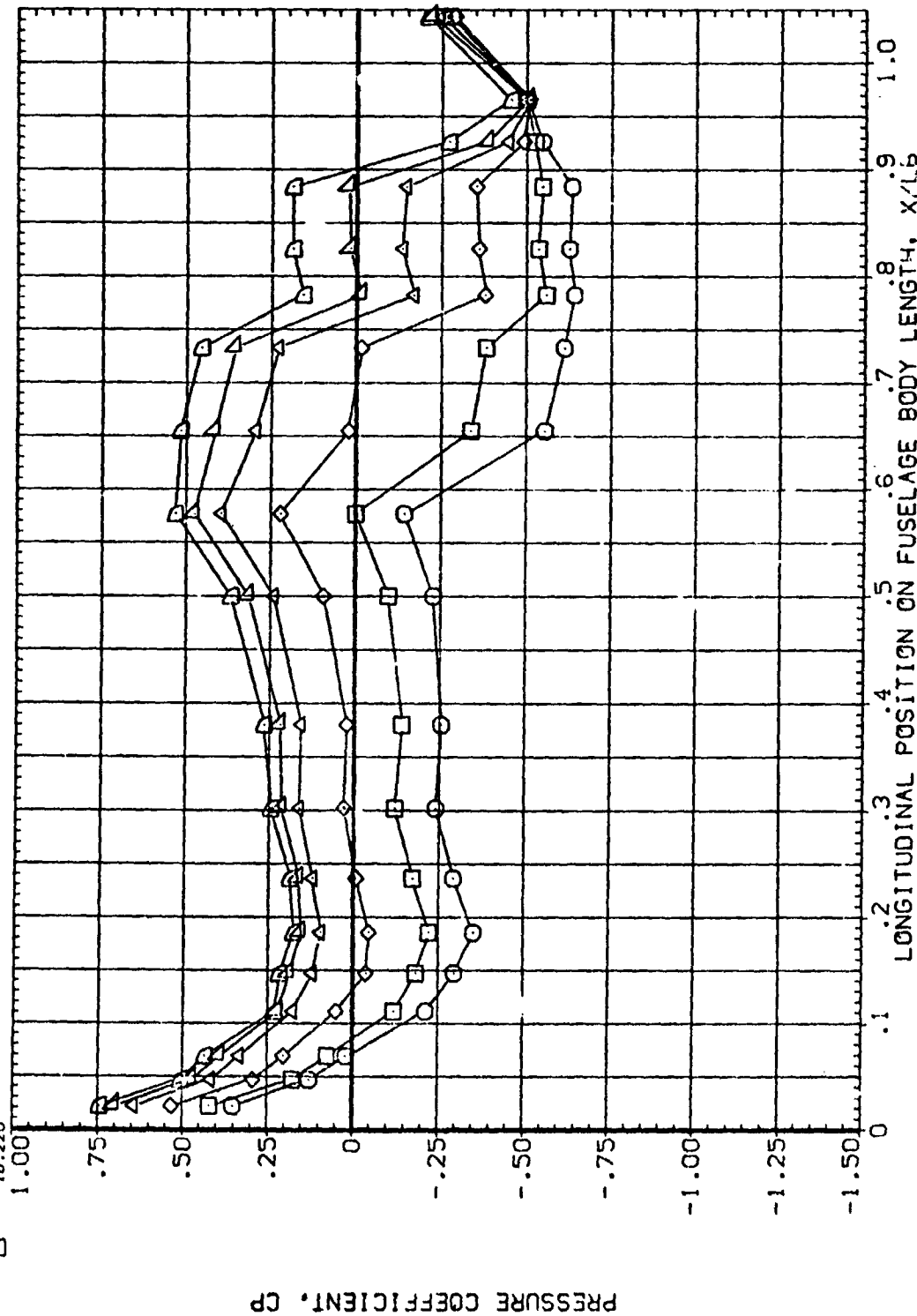


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R09809)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BETA
□	-2.980	55.000	-10.060	-40.000	.000	-10.000
◇	.020			-4.250		
△	5.020					
▽	10.030					
▽	13.190					
▽	16.220					

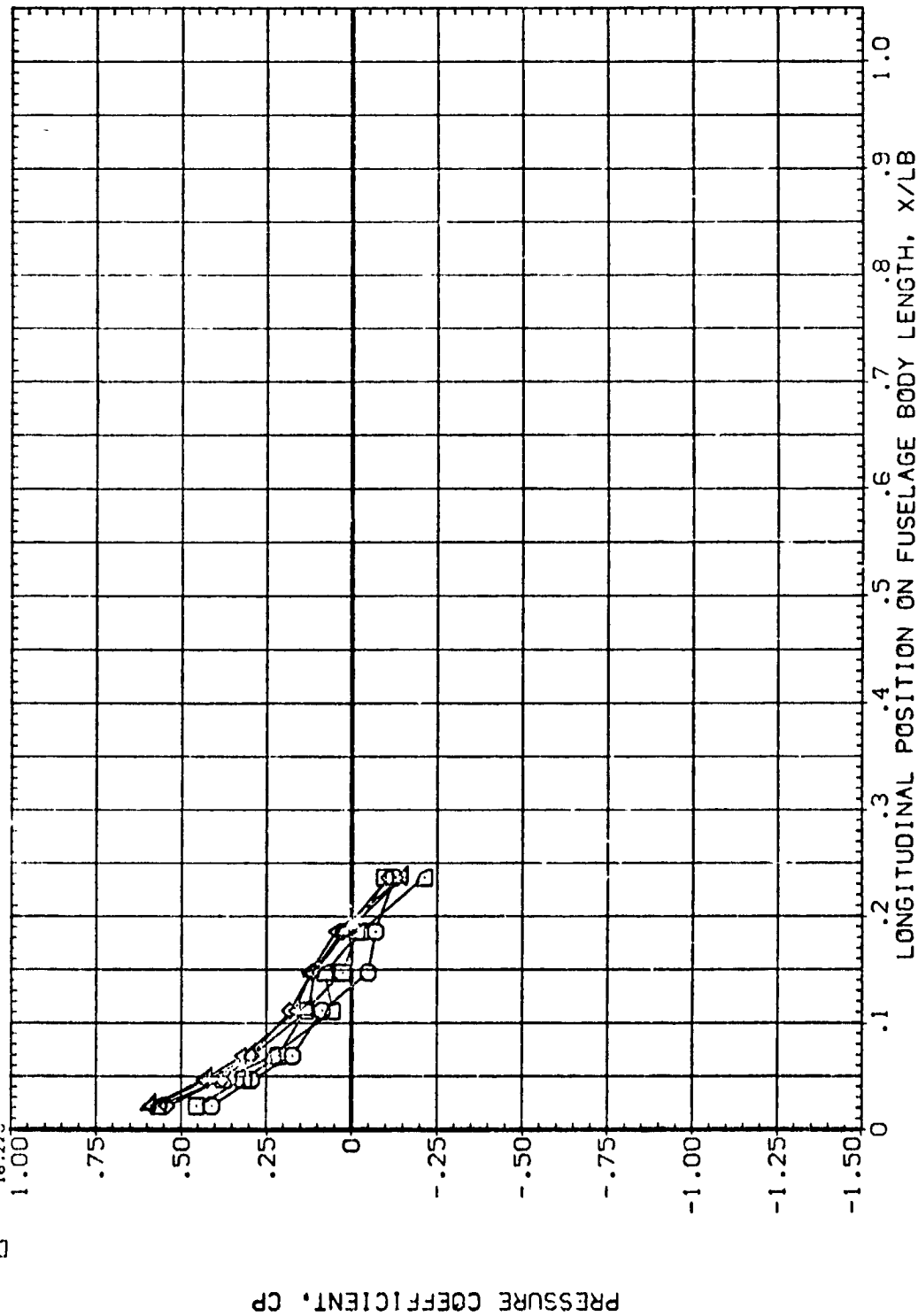


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB09)

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

SYMBOL ALPHA PHI BETA
 □ -2.980 70.000 -10.000
 ◇ .020
 △ 5.020
 ○ 10.090
 ◊ 13.190
 ◑ 16.220

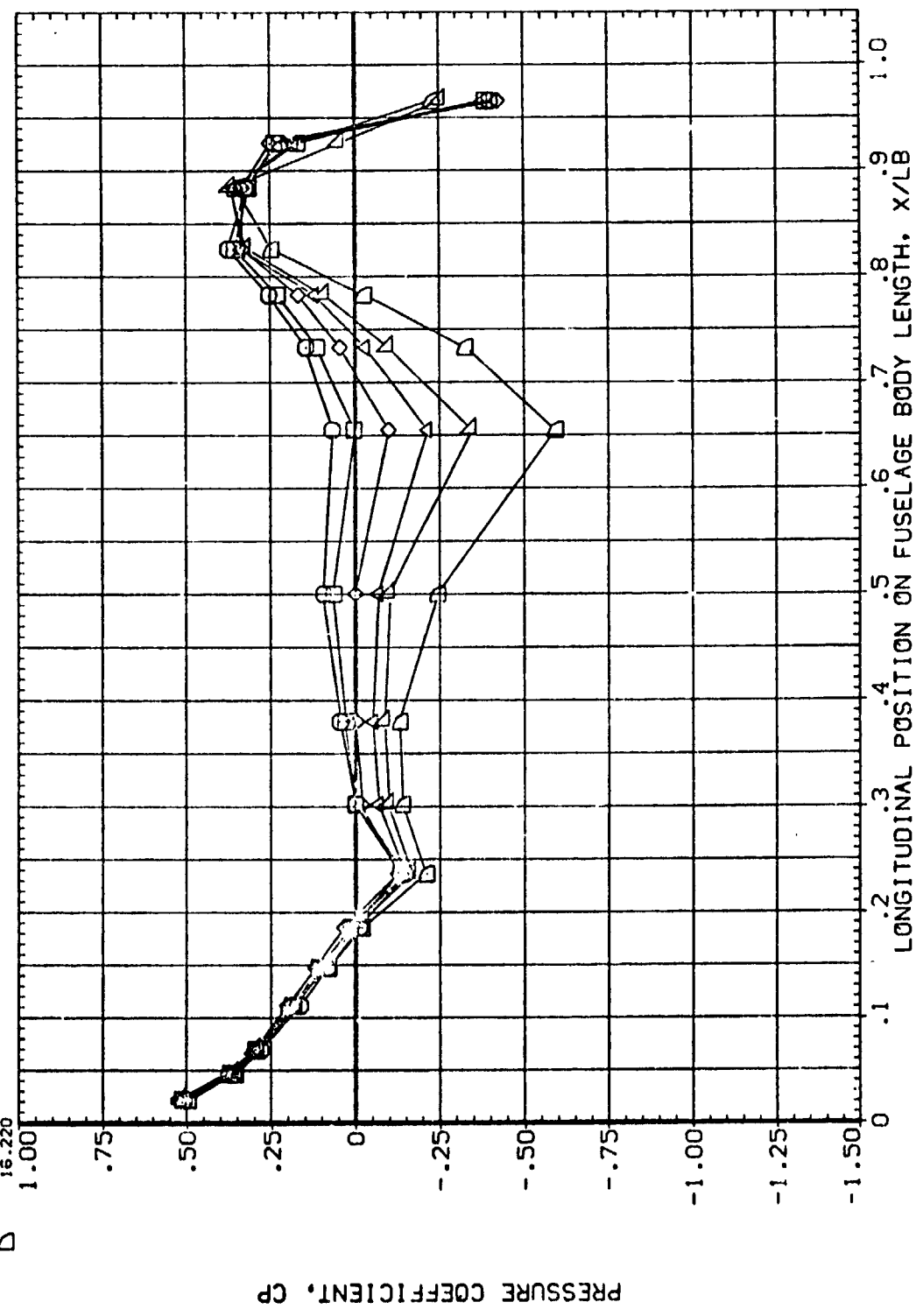


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0B09)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BETA
○	-2.930	90.000	-10.060	-40.000		.000
◇	.020			-14.250		-10.000
△	5.020					
▽	10.090					
□	13.190					
◇	16.220					

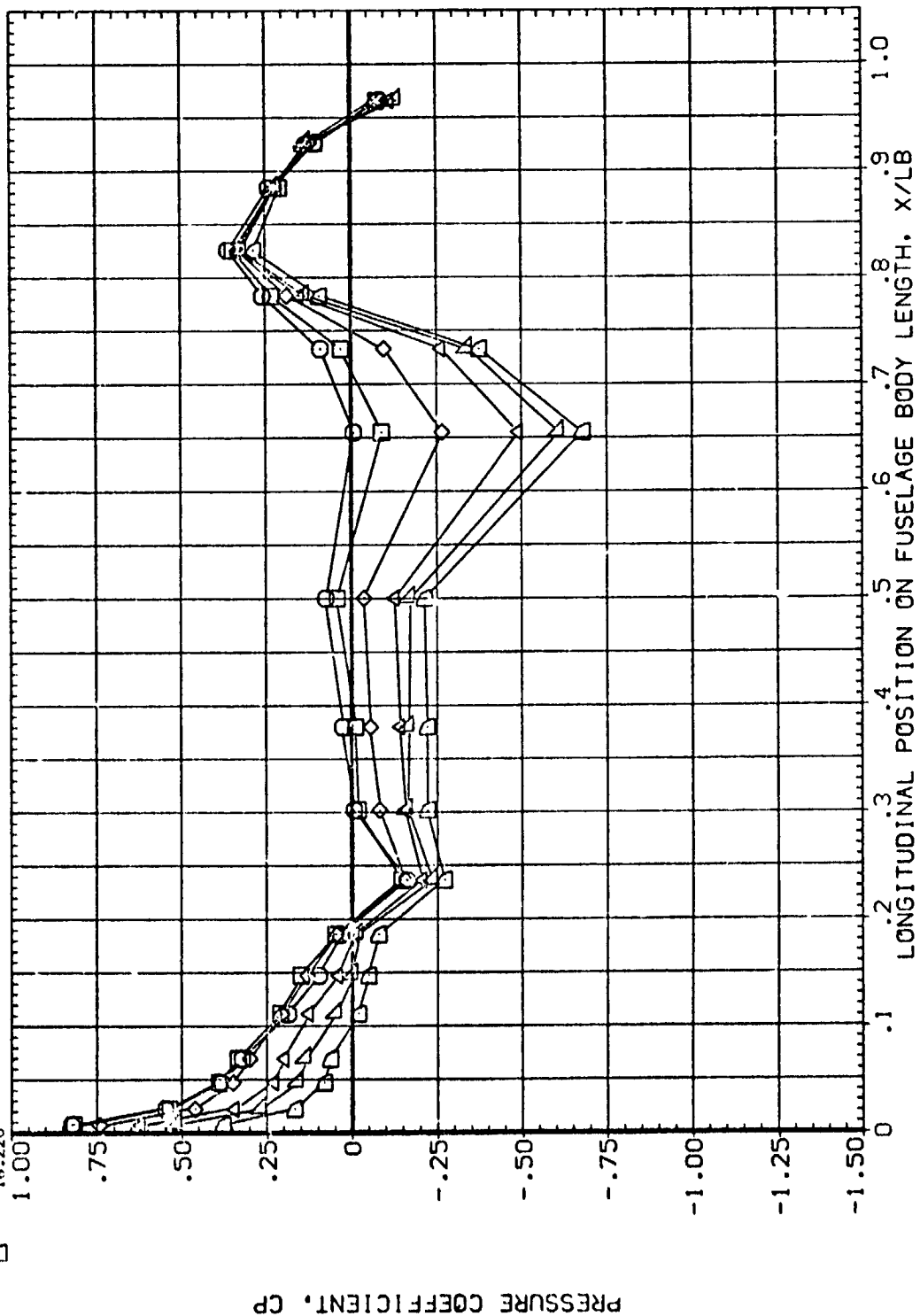


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB09)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 105.000 -10.060
-020
5.020
10.090
13.190
16.220

SYMBOL
□◇□◇□◇□◇

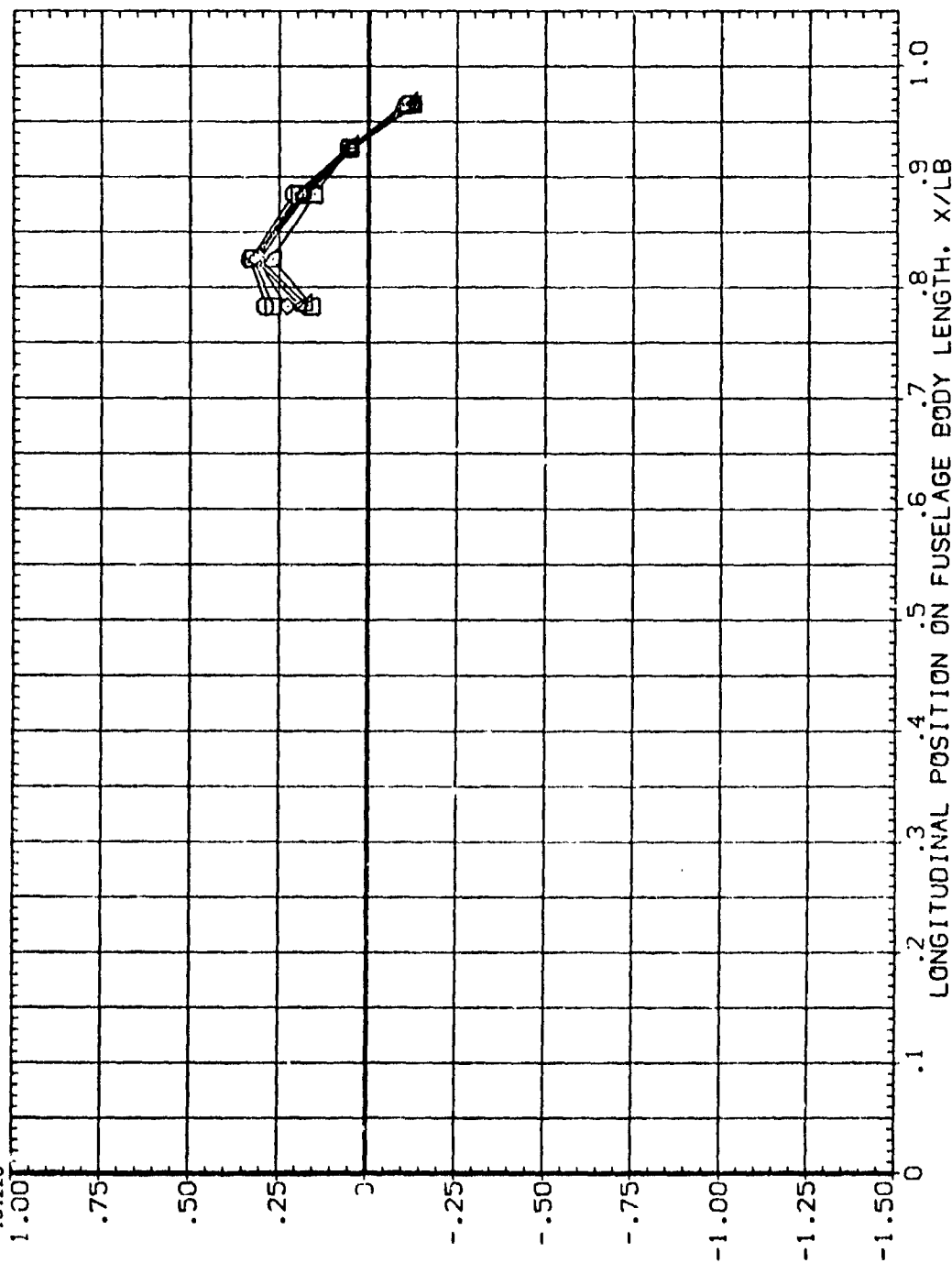


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00809)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
○	-2.980	120.000	-10.060	ELEVON -40.000
◇	.020			RUDDER .000
□	5.020			BOFLAP -14.250
△	10.090			BETA -10.000
▽	13.190			
▽	16.220			

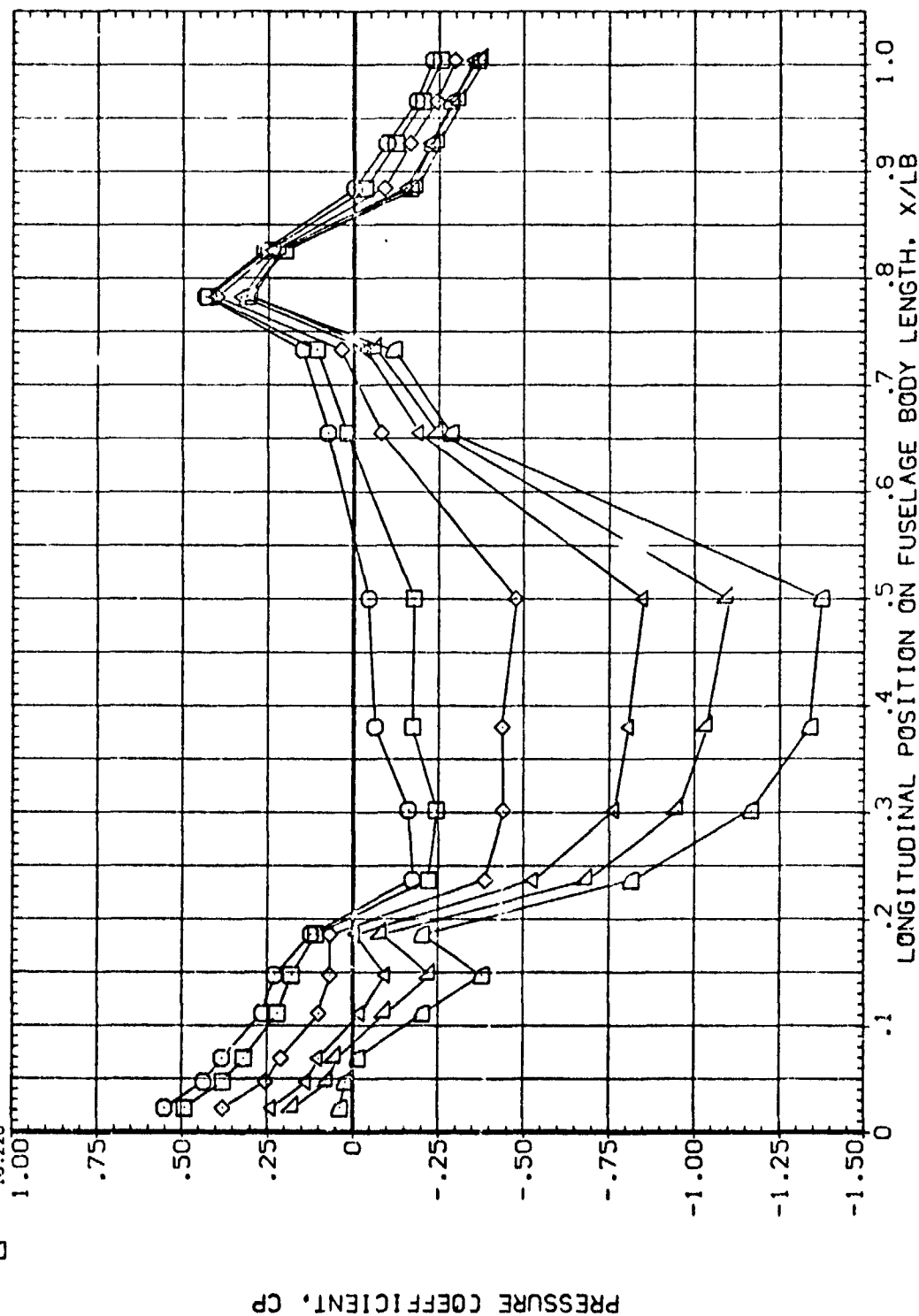


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

(R00809)

B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA -10.000

ALPHA -2.980 PHI 135.000 BETA -10.080
-0.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▿

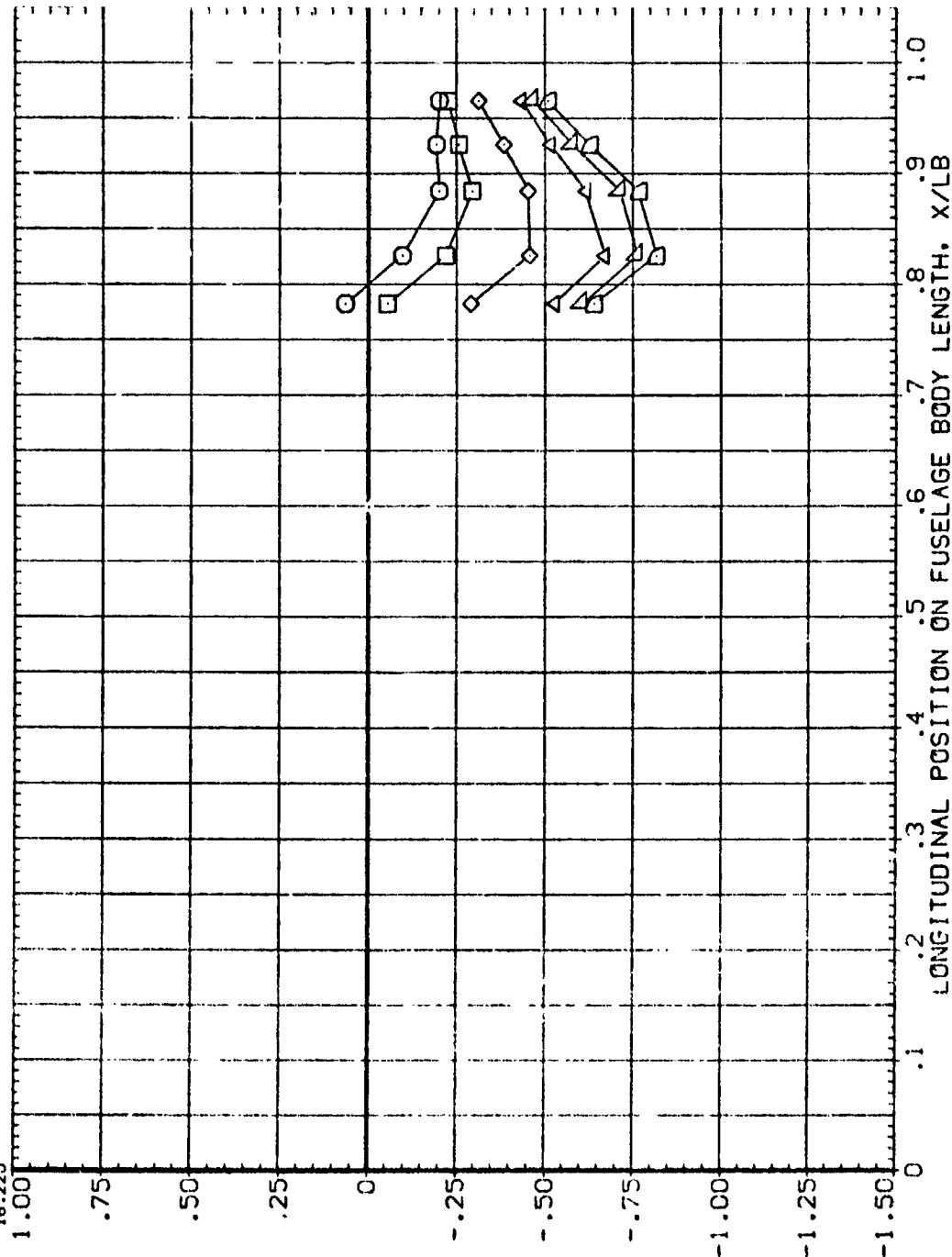


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0GB09)

PARAMETRIC VALUES
ELEVON -40.030 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 150.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ▽ ▴ ▾

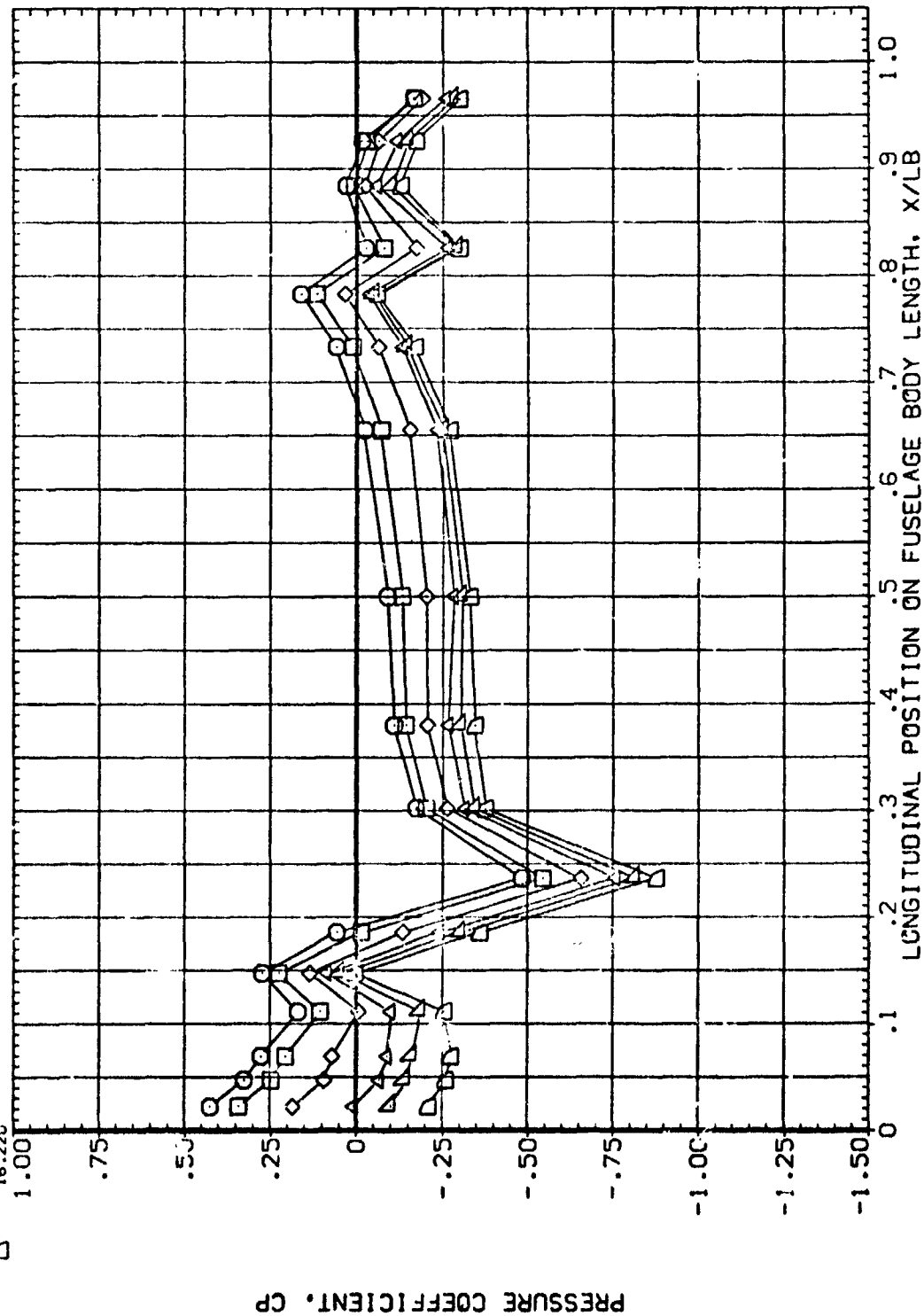


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5Y9 LEFT FUSELAGE (RDCB09)

SYMBOL

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

PHI
165.000

BETA
-10.060

PARAMETRIC VALUES

ELEVON -40.000 RUDDER .000
BDFLAP -14.50 BETA -10.000

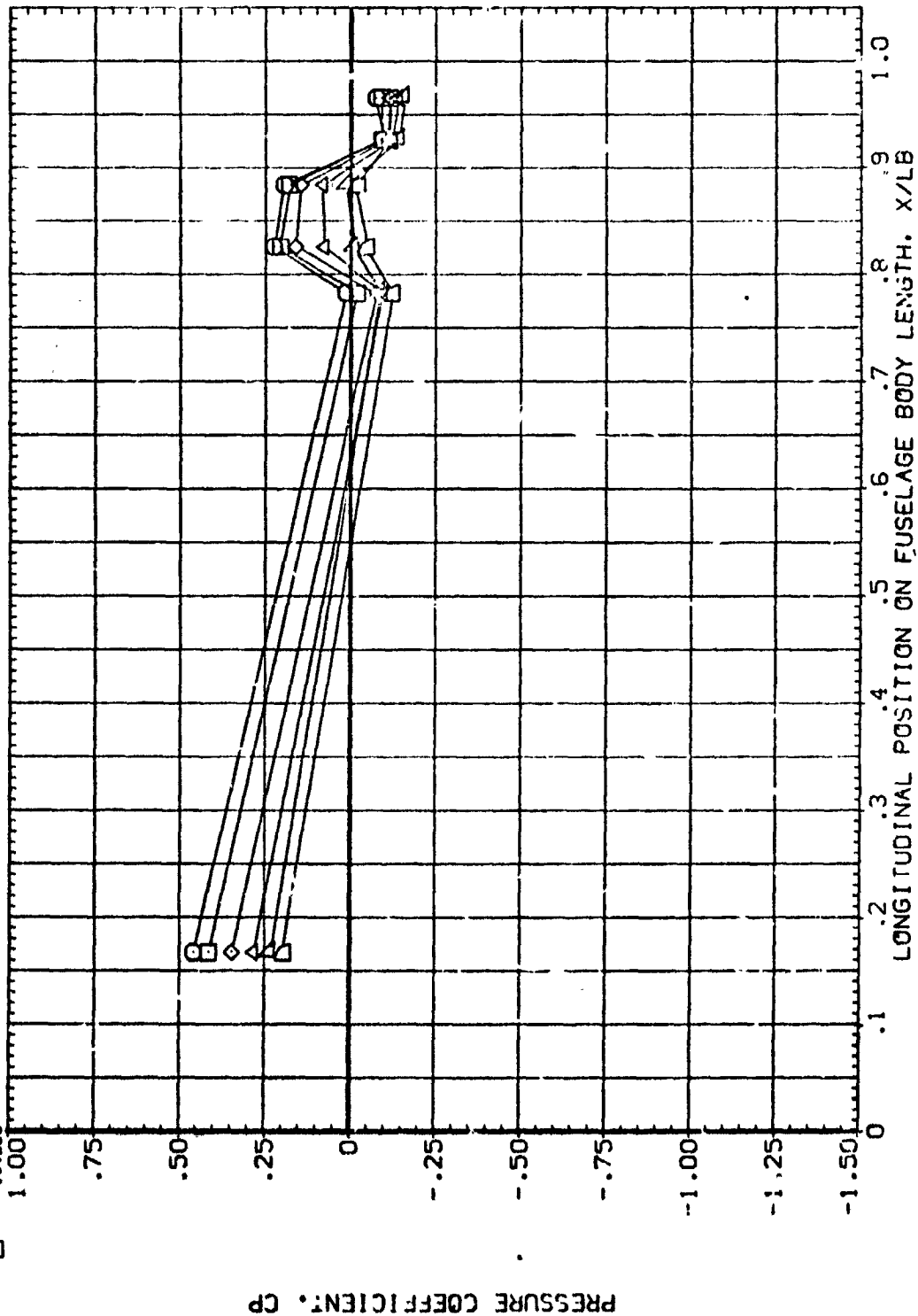


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00809)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BETAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 180.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▿

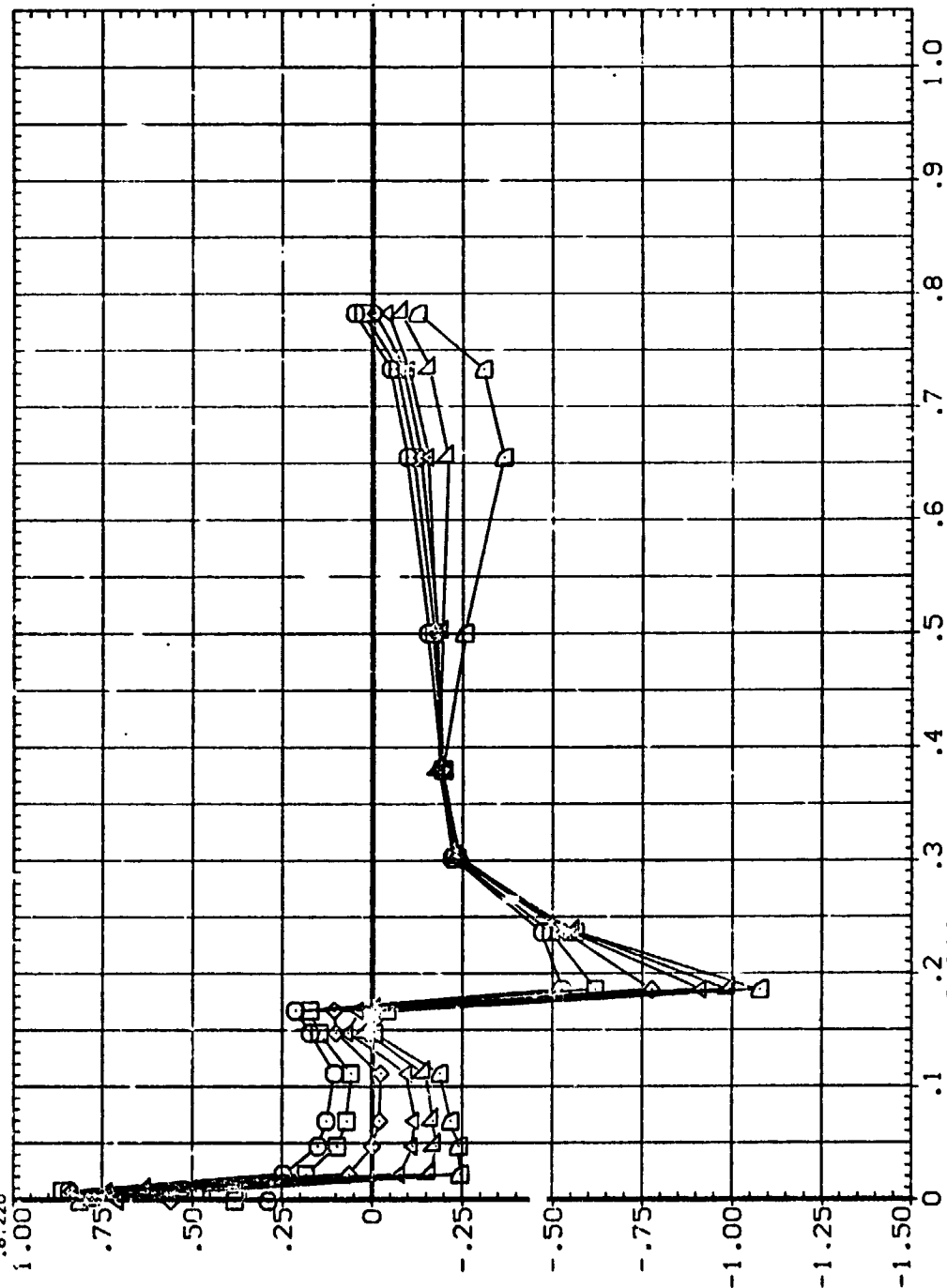


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B10)

SYMBOL	ALPHA	PHI	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
□	-2.950	.000	-.010	-40.000		RUDDER
◇	.050			-14.250		BETA
△	5.030					
▽	10.100					
▽	13.220					
▽	16.240					

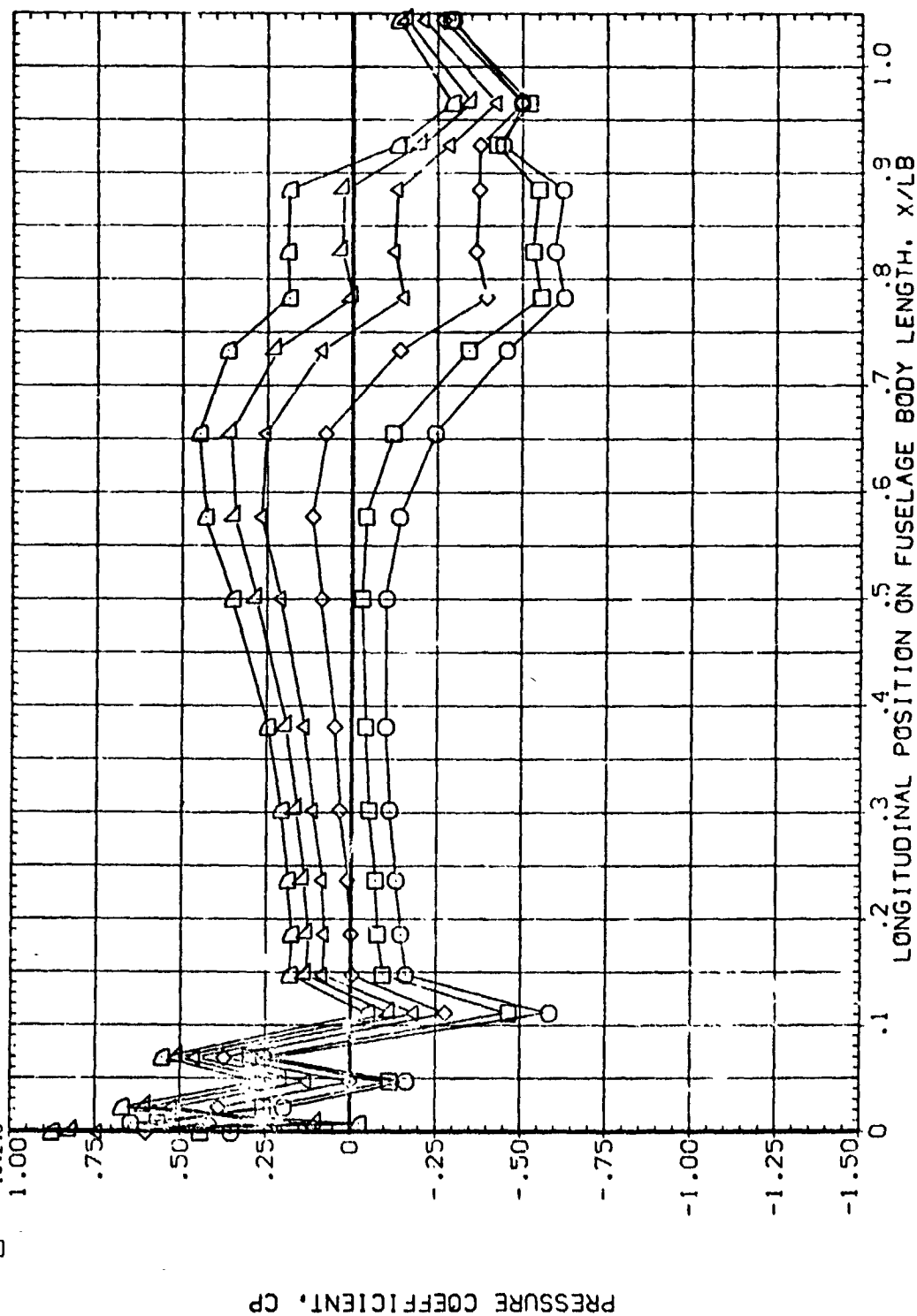


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B10)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BDFLAP	BETA
□	-2.950	20.000	-0.010	-40.000	.000		.000
◇	.050			-14.250			
△	5.030						
▽	10.100						
◊	13.220						
◈	16.240						

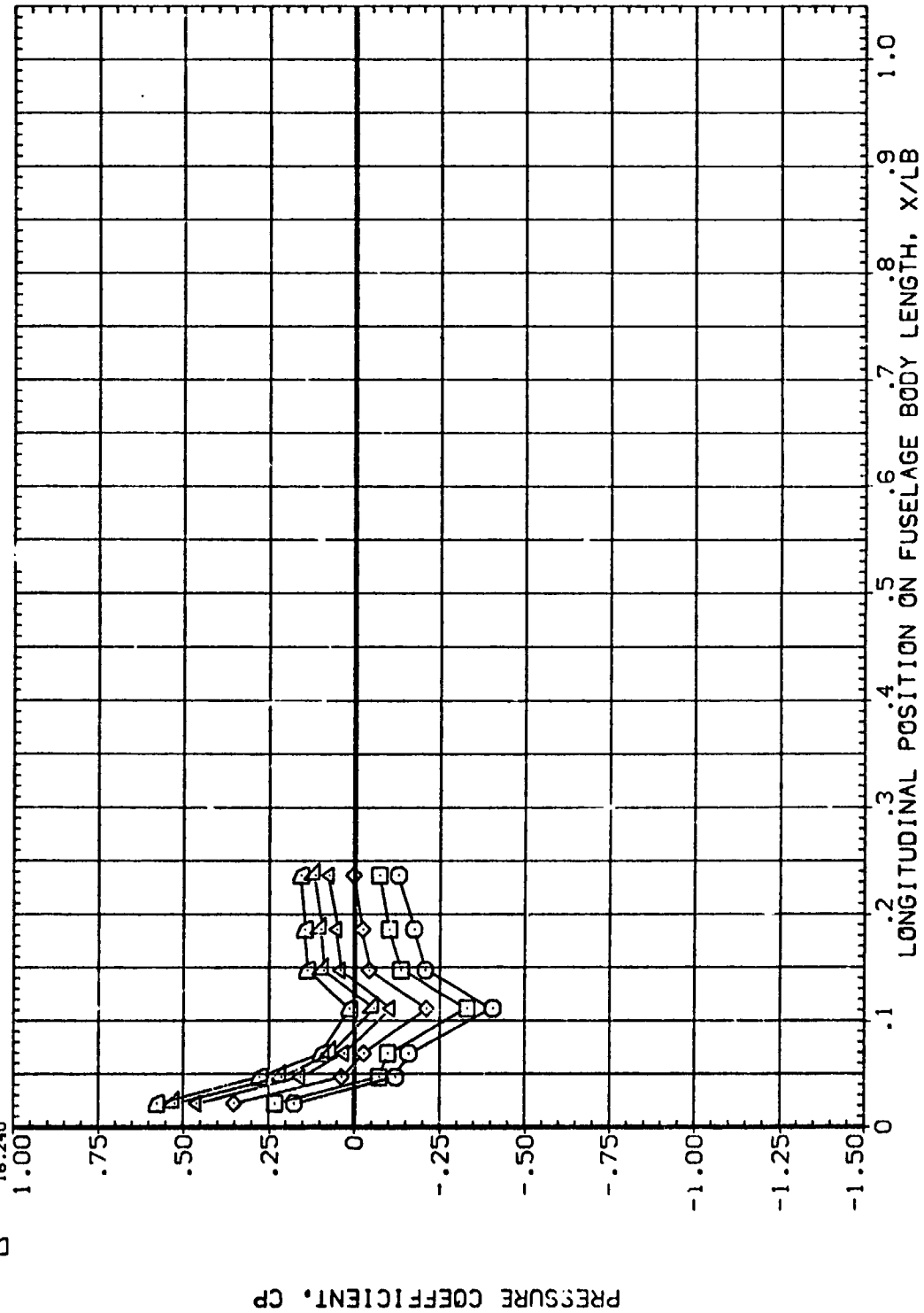


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00810)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 40.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□◇△▽

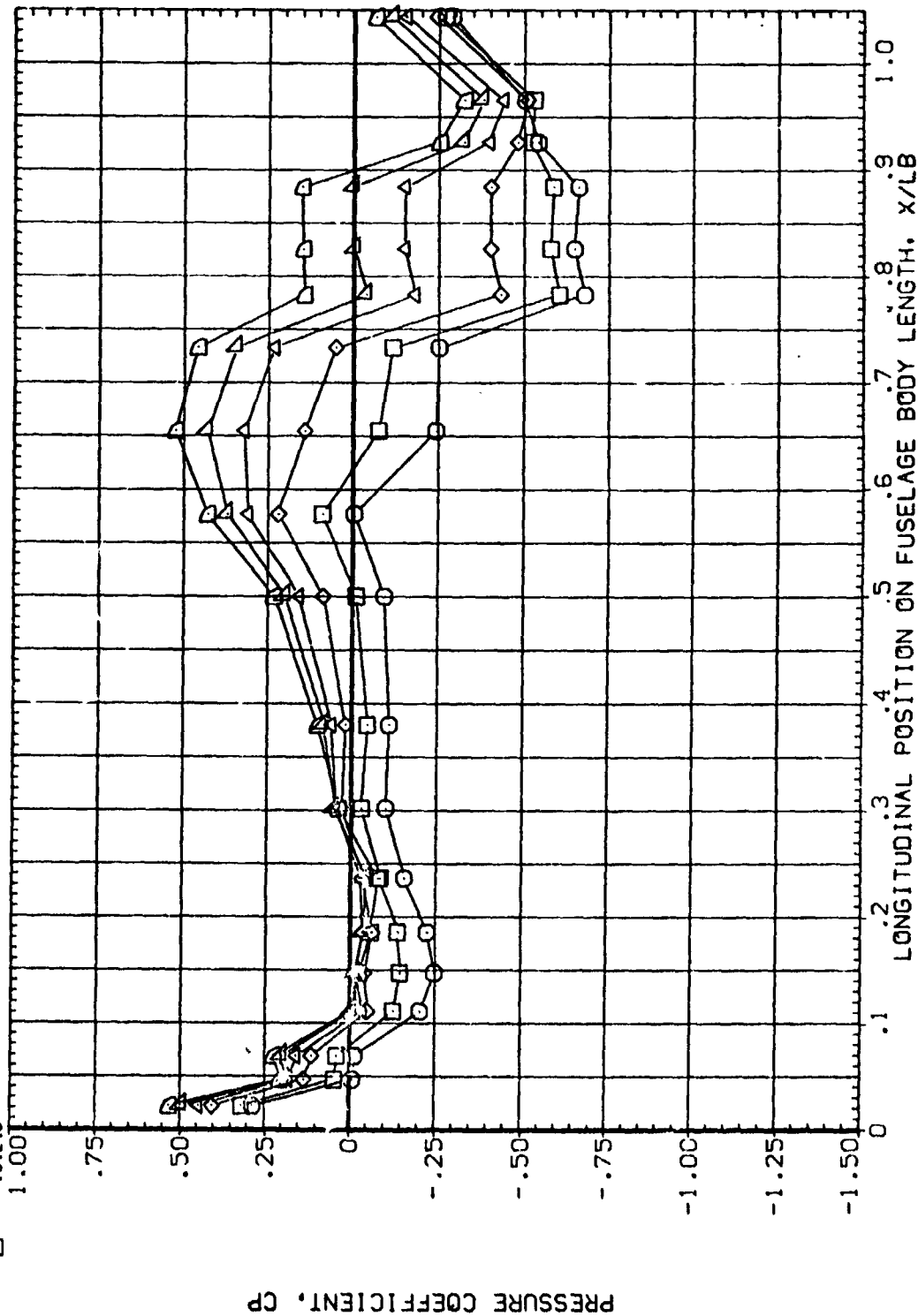


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0810)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

PHI 55.000 BETA -.010

SYMBOL
□ ▽ ▴ ▾

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

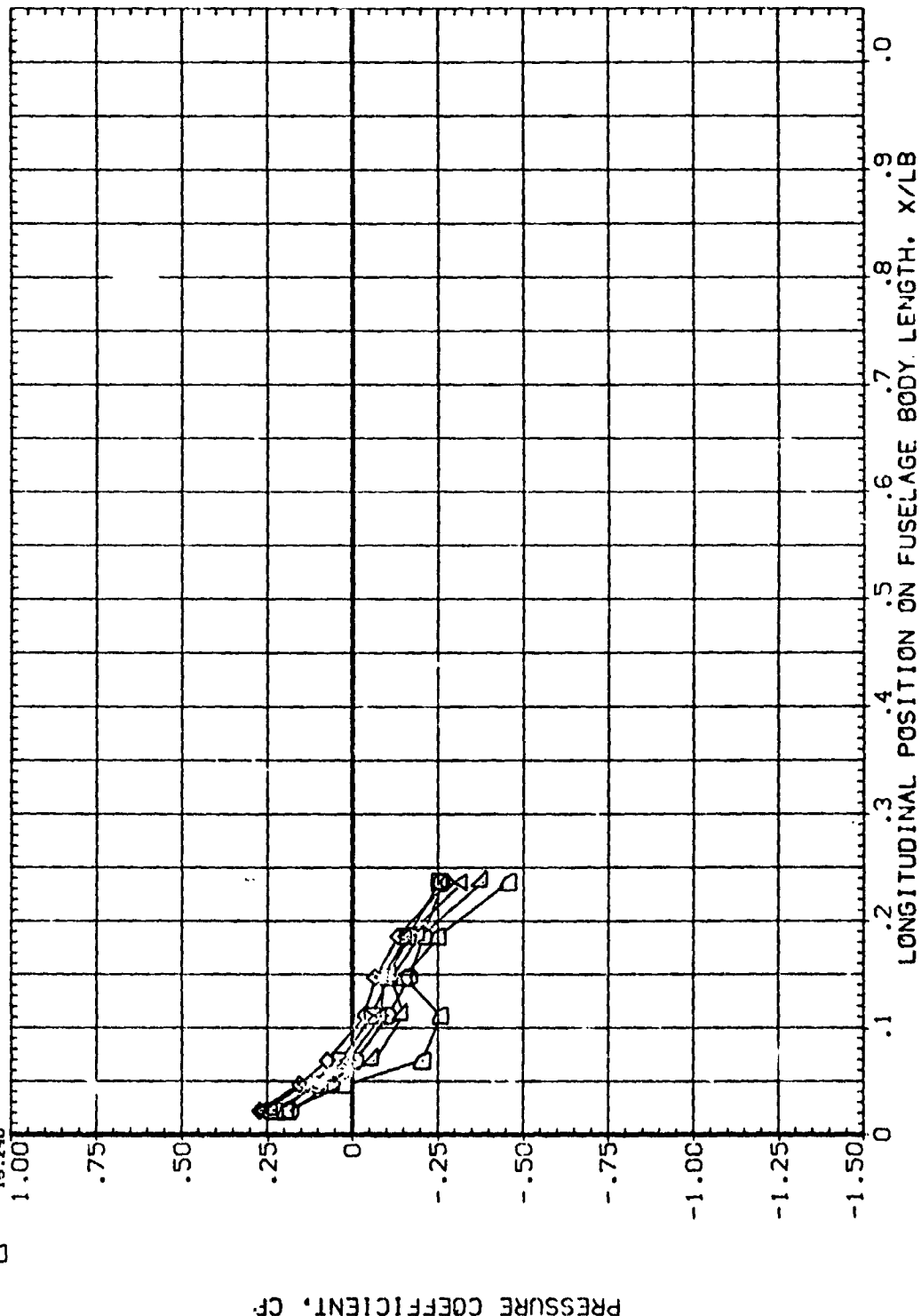


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

(R00810)

ALPHA	PHI	BETA
-2.950	70.300	-.010

PARAMETRIC VALUES	
ELEVON	-40.000 RUDDER .000
BD/FLAP	-14.250 BETA .000

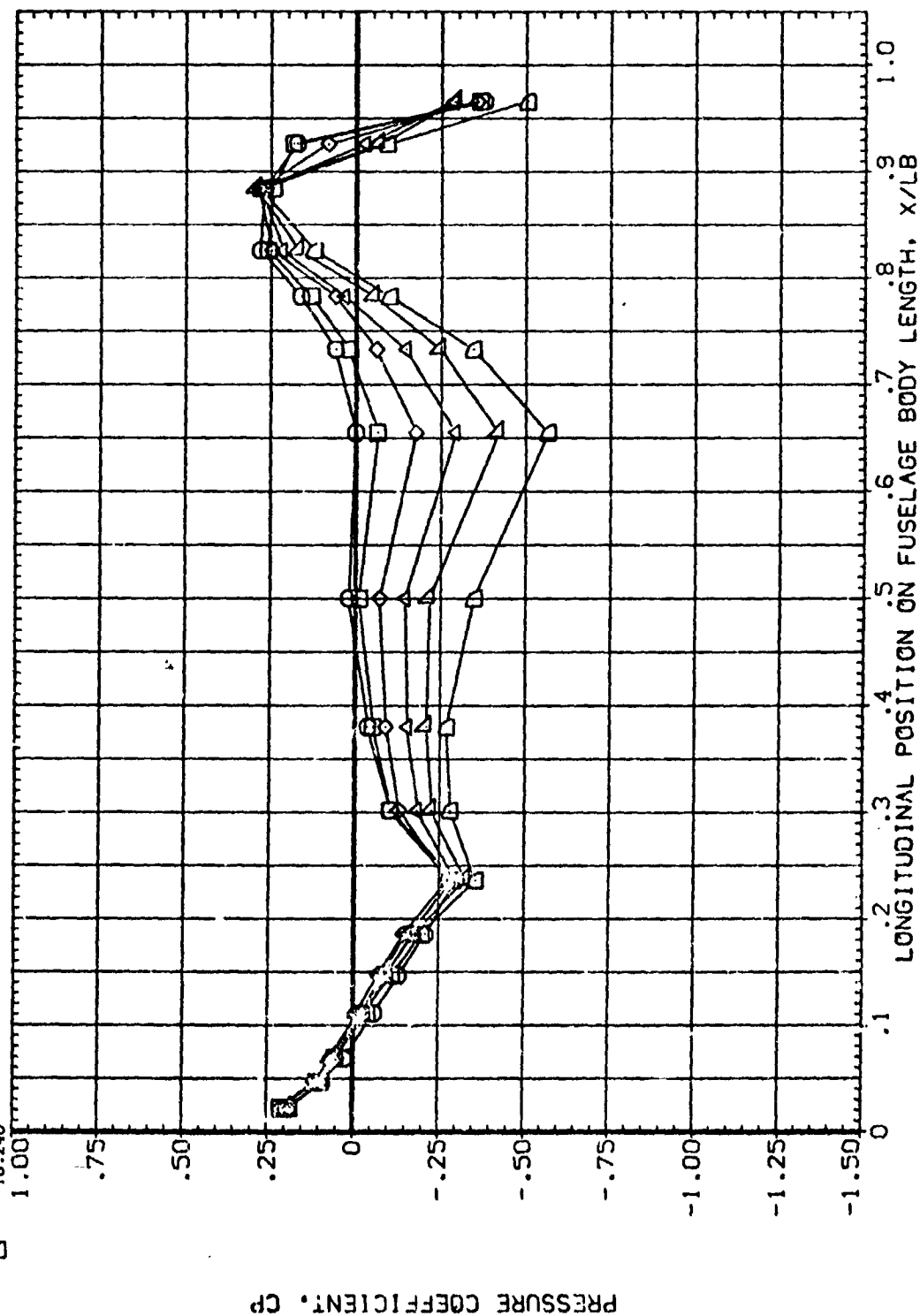


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB10)
 ALPHA PHI BETA
 -2.950 90.300 -.010
 .050
 5.030
 10.100
 13.220
 16.240

SYMBOL
 ▽ ▴ ◇ □

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA .000

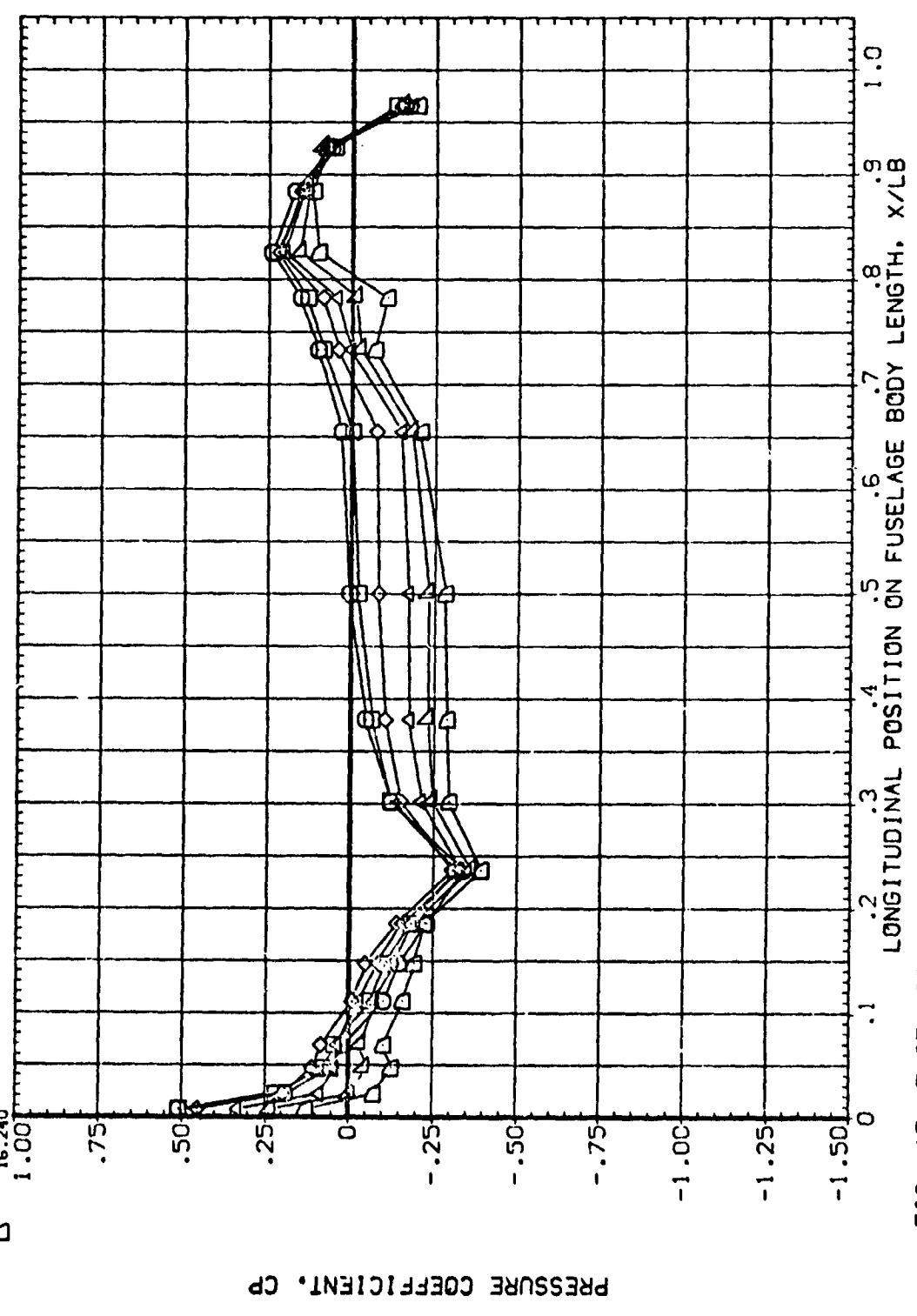


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0
 PAGE 129

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
○	-2.950	105.000	-0.010	ELEVON -40.000 RUDDER
□	.050			BOFLAP -14.250 BETA

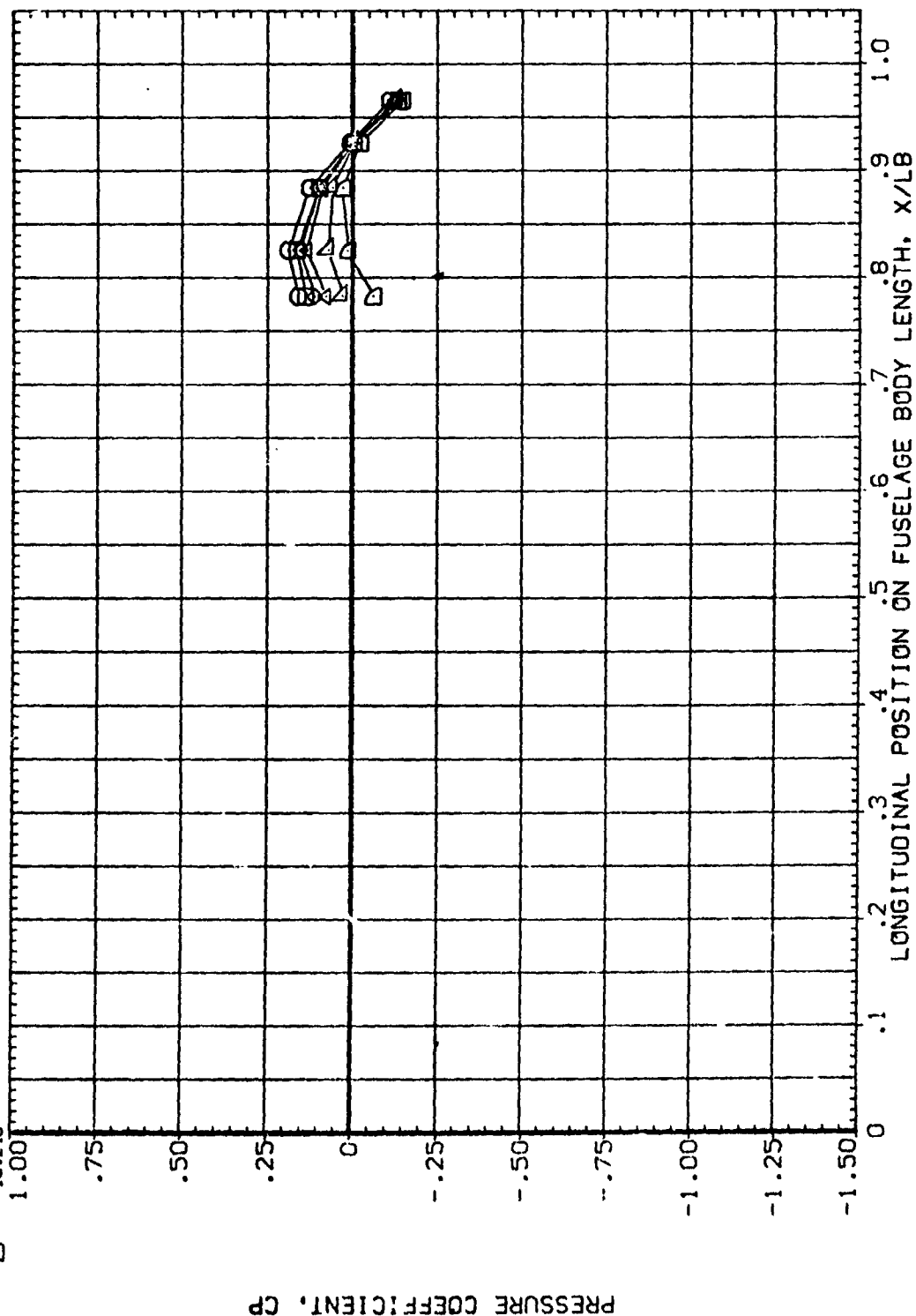


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES	
ELEVON	-40.000 RUDDER
BOFLAP	-14.250 BETA

ALPHA	PHI	BETA
-2.950	120.000	-0.010

SYMBOLS

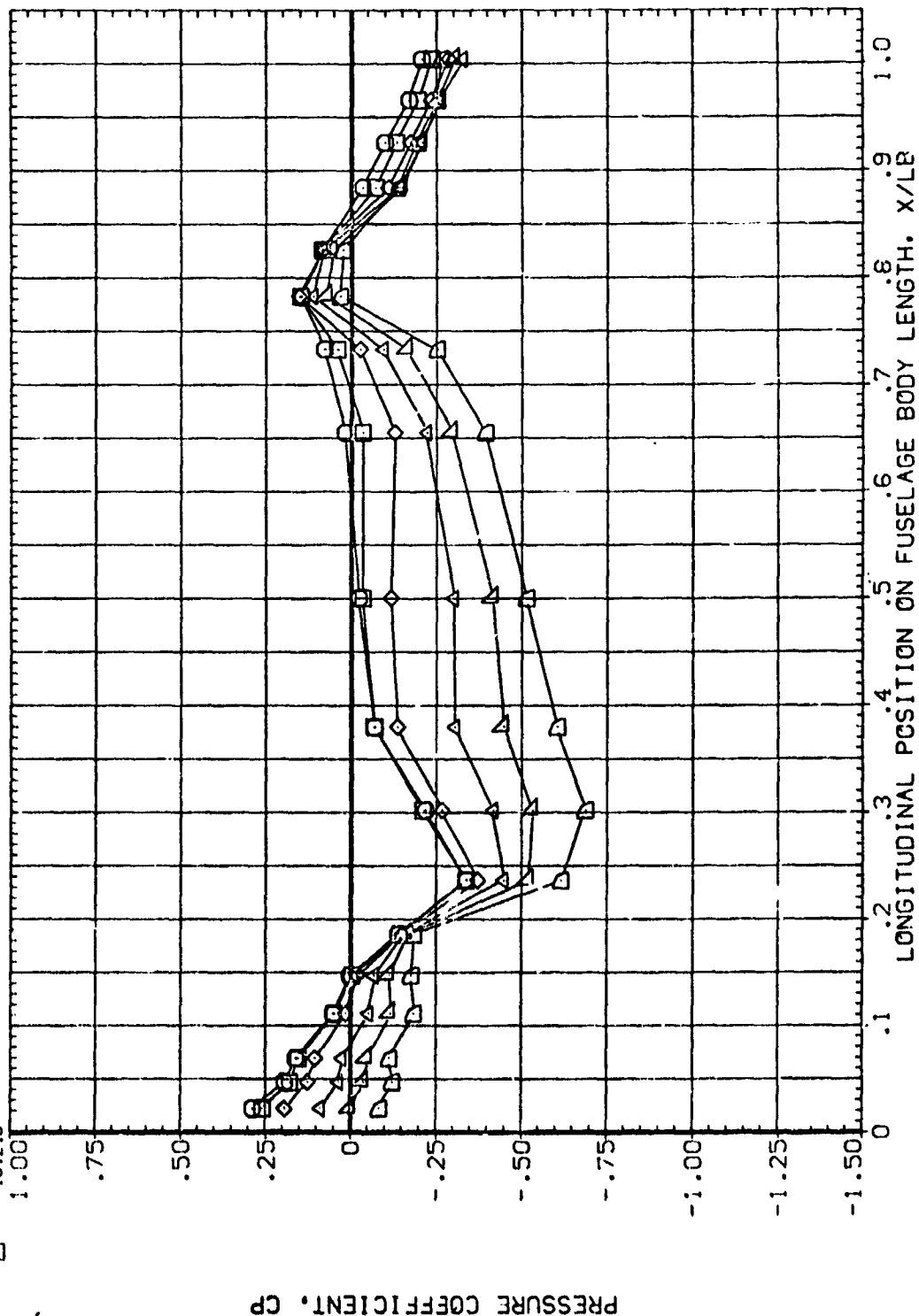


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

(RDQB10)

B26C9G15M7F8W1:6E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 135.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽
▽
◇
◇
□
□

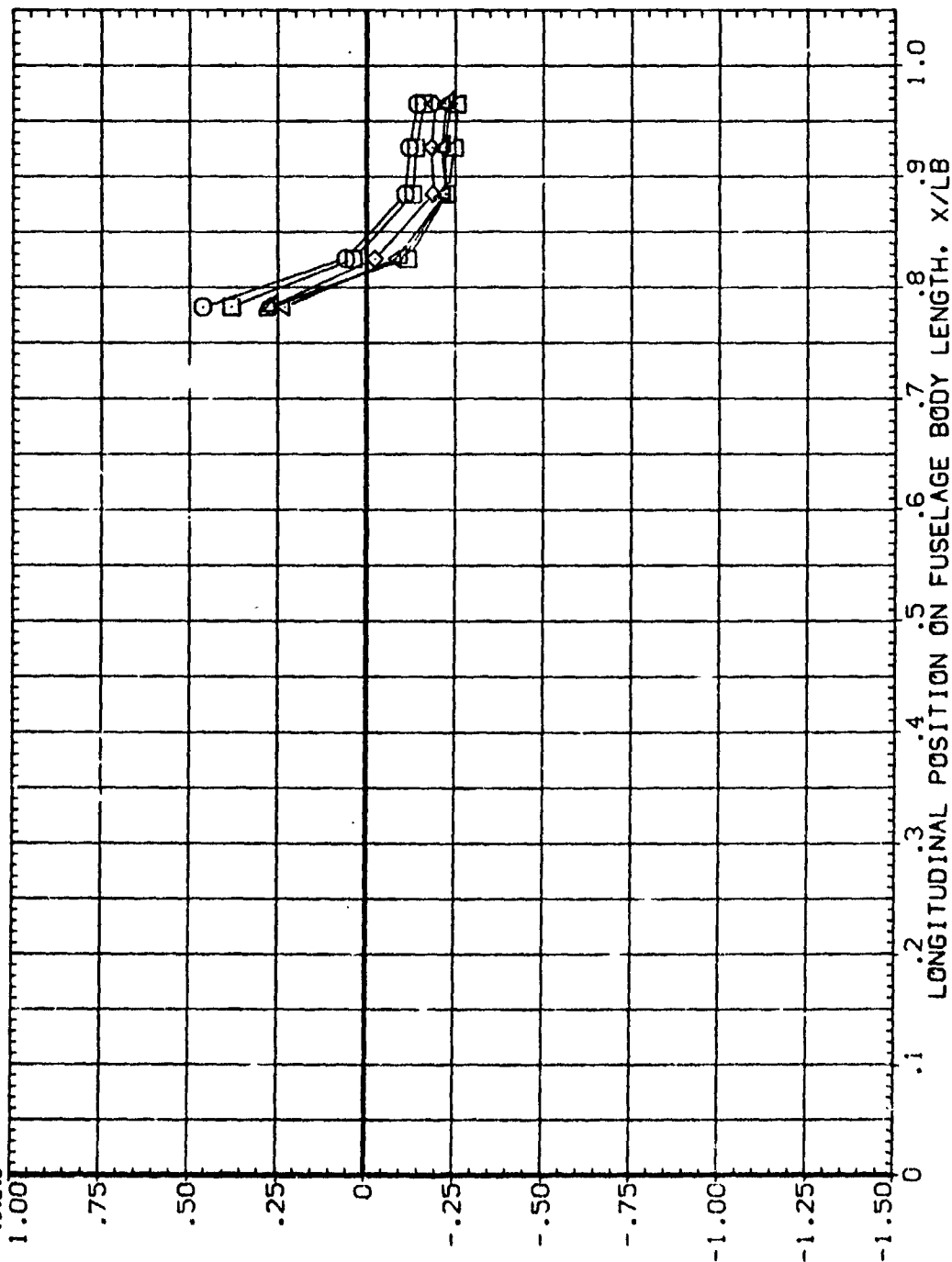


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00810)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
ALPHA	-2.950	-40.000
BETA	.050	.000
PMT	150.000	
BFLAP	-14.250	BETA
		.000

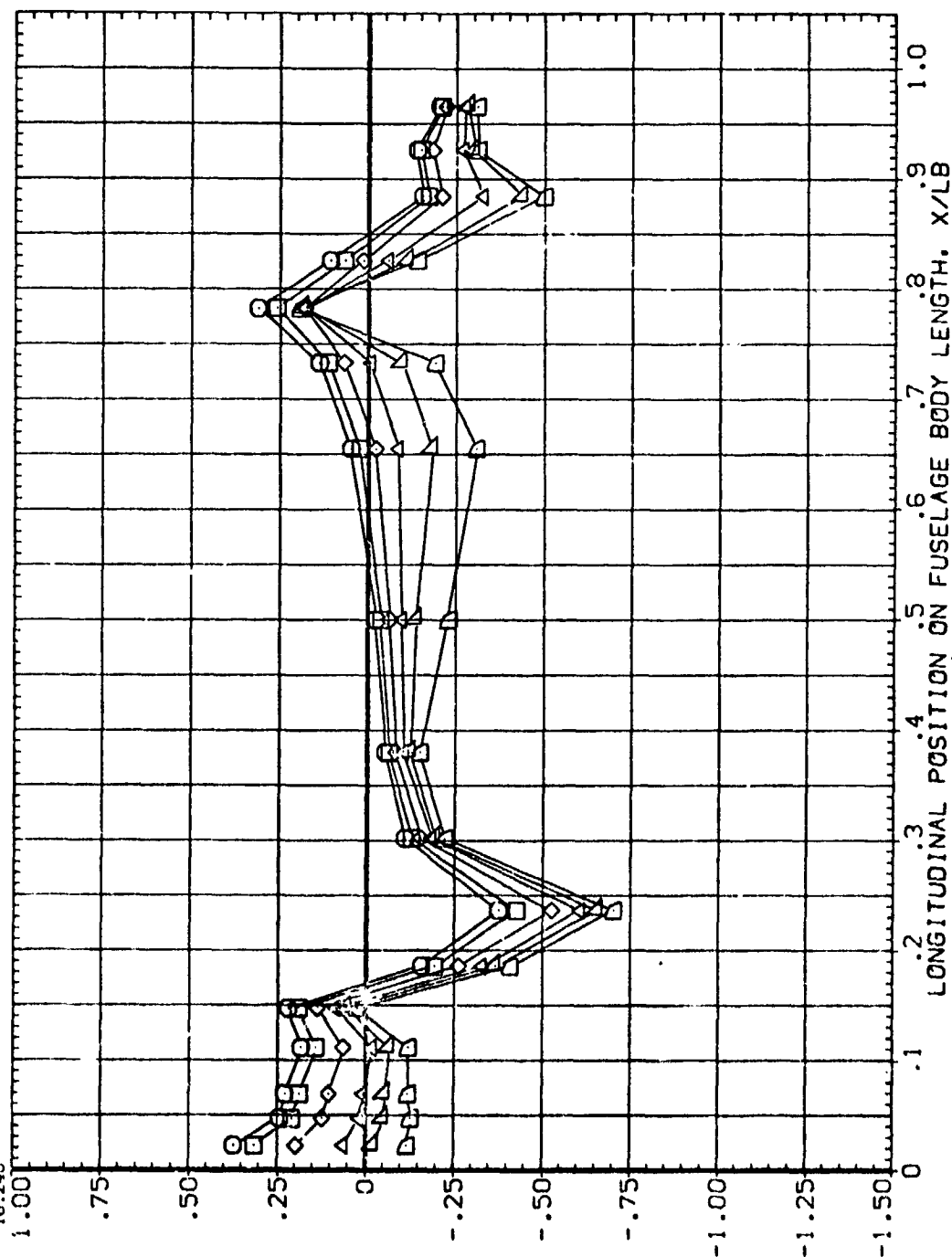


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C3G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB10)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA .010
PHI 165.000
BETA .010

SYMBOL
□ ◇ ◆ ◆ ◆ ◆

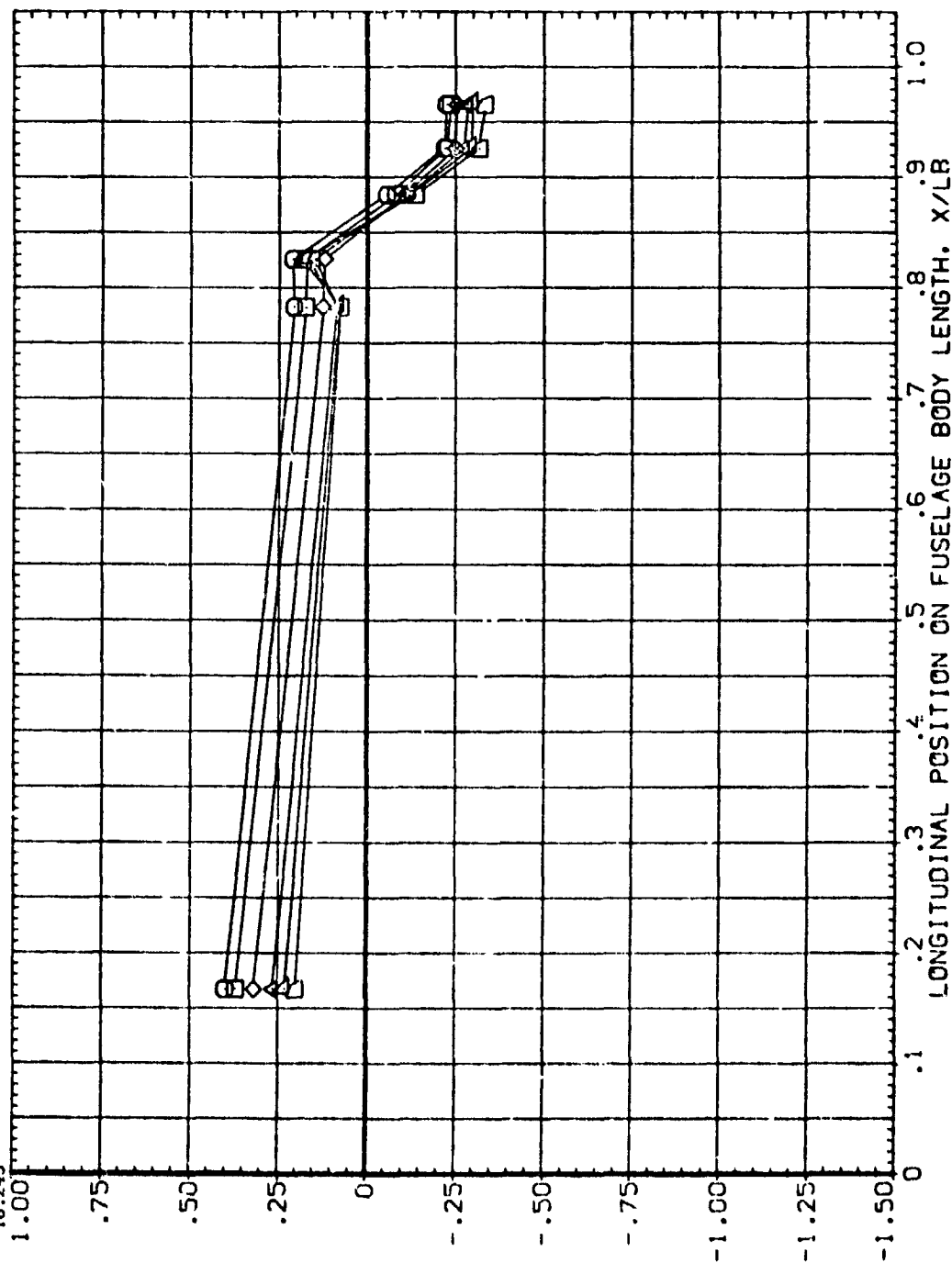


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB10)

SYMBOL	ALPHA	PHI	BETA	ARAMETRIC VALUES
□	-2.950	180.000	-.010	ELEVON
◇	-.050			BDFLAP
△	5.030			
▽	10.100			
◊	13.220			
◈	16.240			
				RUDDER
				BETA
				.000
				.000

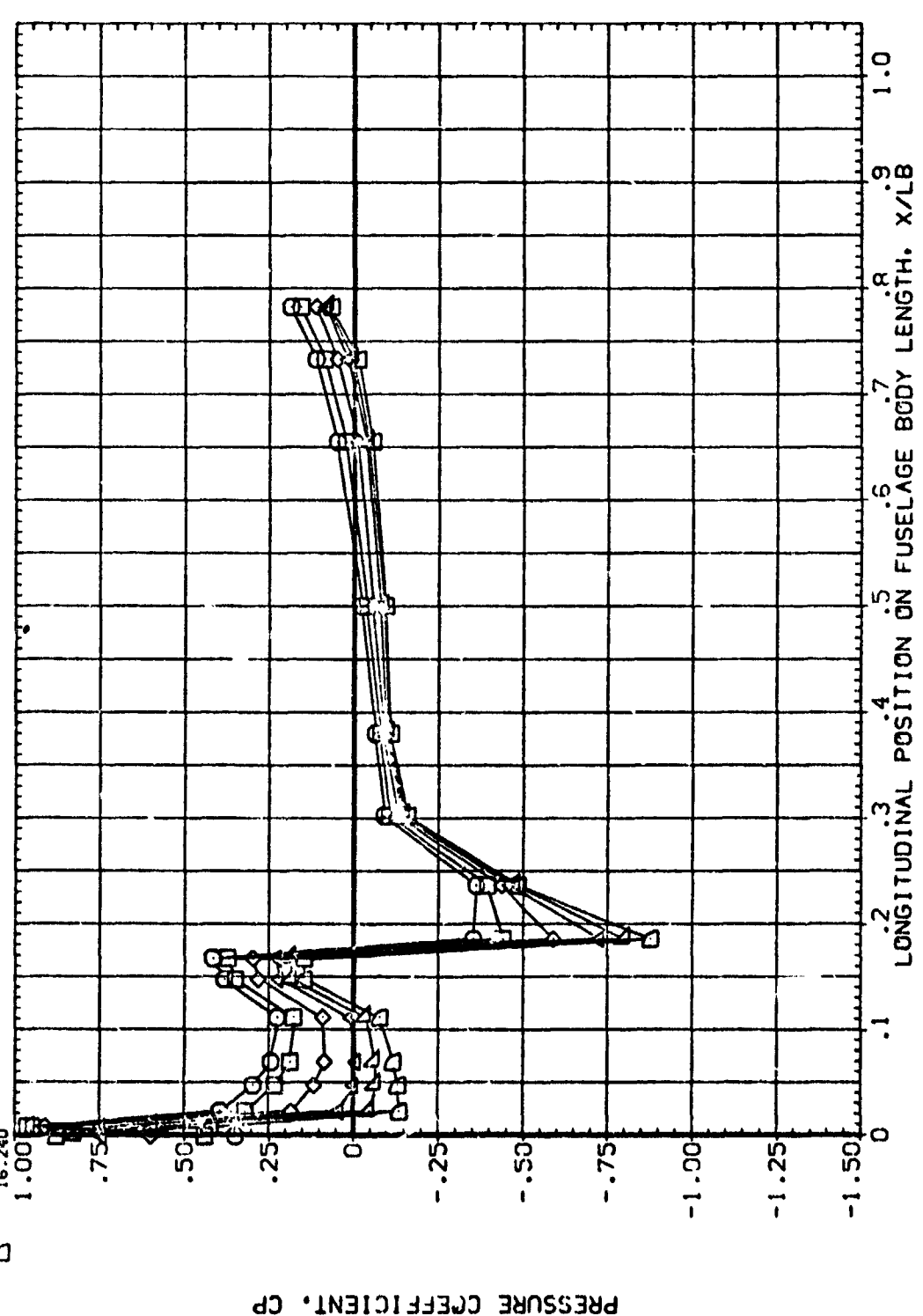


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE

(R00611)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 .000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
◇ ◆ ○ □ △

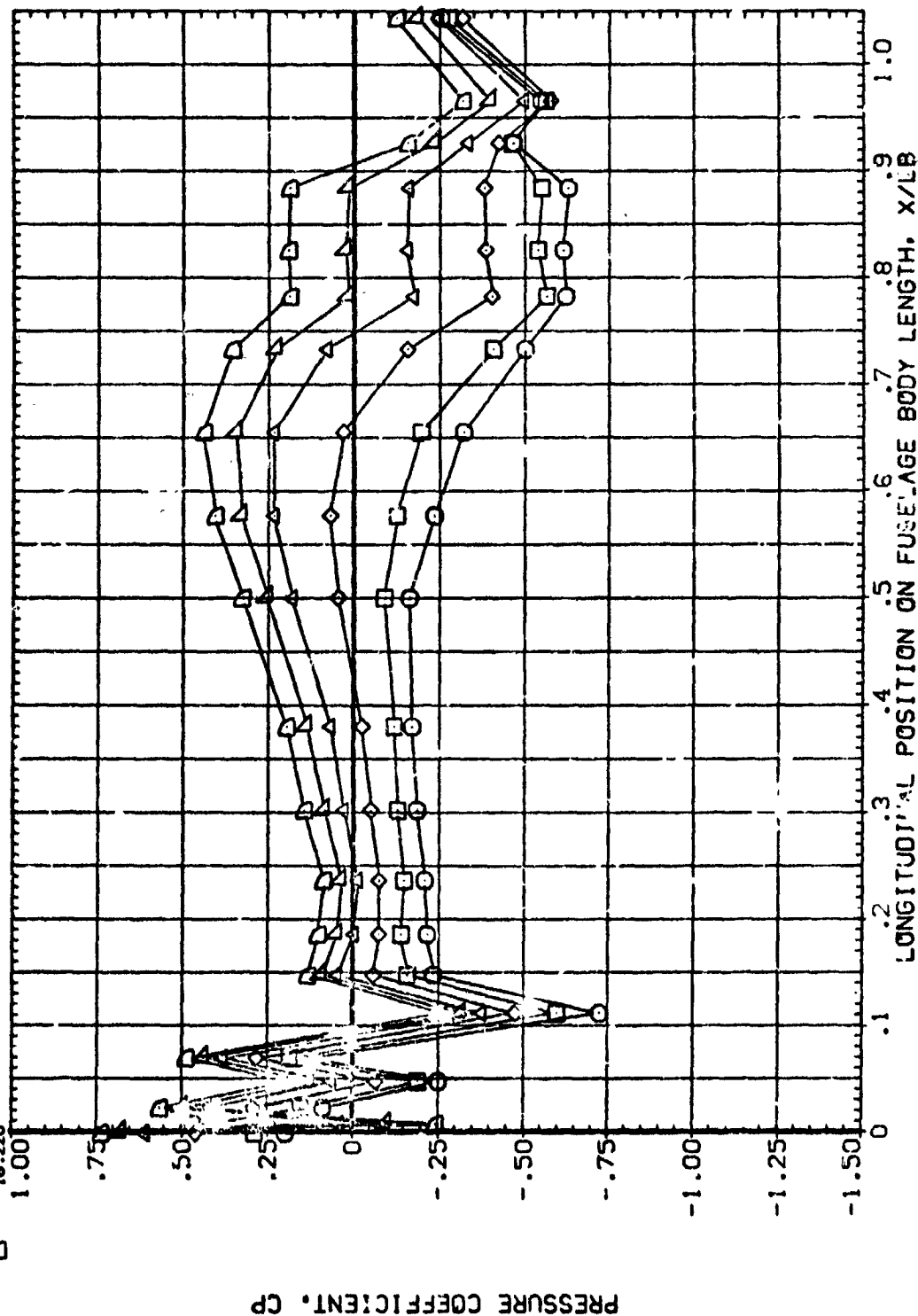


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

3

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B11)

SYMBOL
□ ◇ ○

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

PHI
20.000

BETA
10.050

PARAMETRIC VALUES
ELEVON
BOFLAP

-40.000
-14.250

RUDDER
BETA

.000
10.000

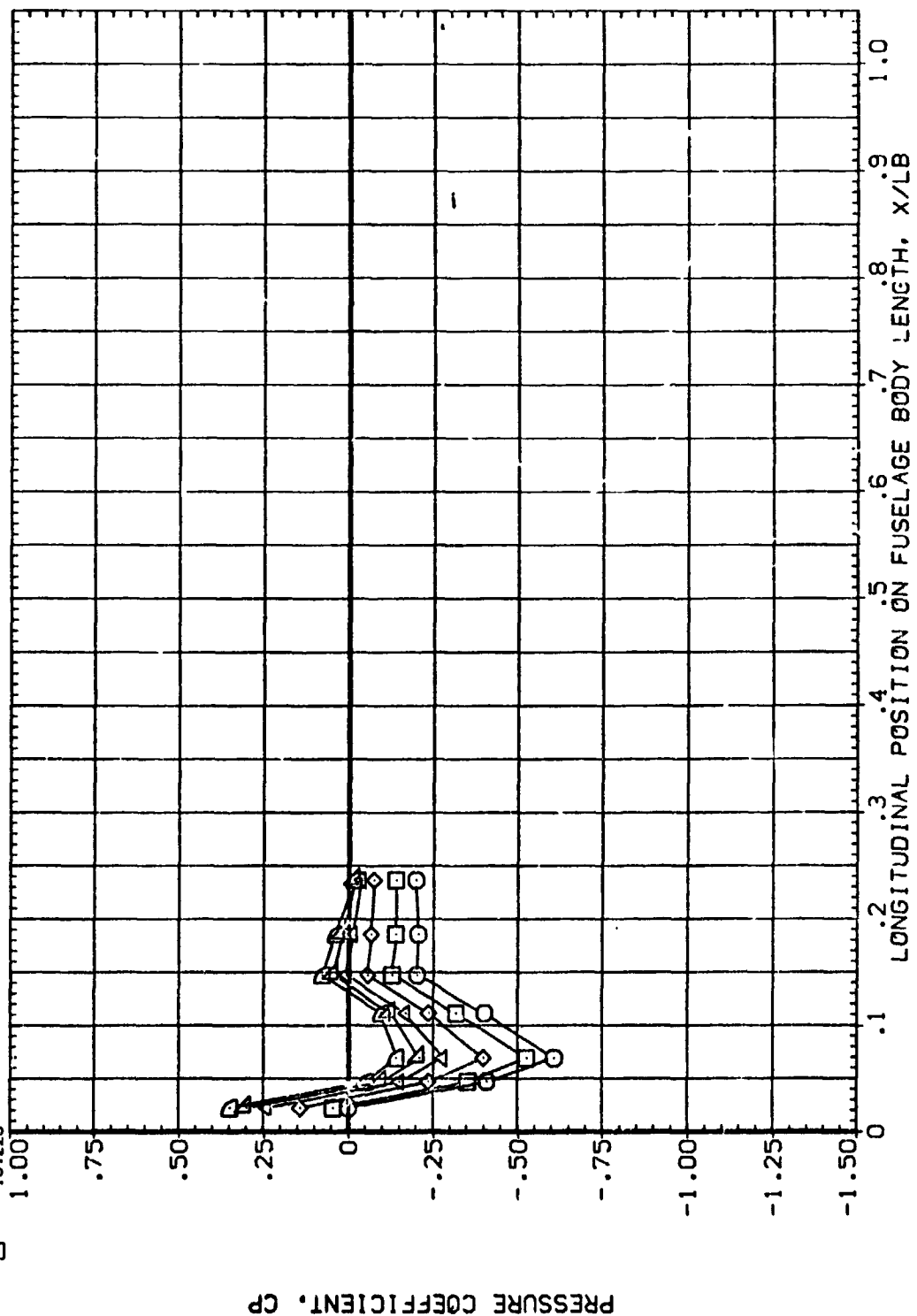


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

(RDQB11)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 40.000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ ◆ ▲ ▽

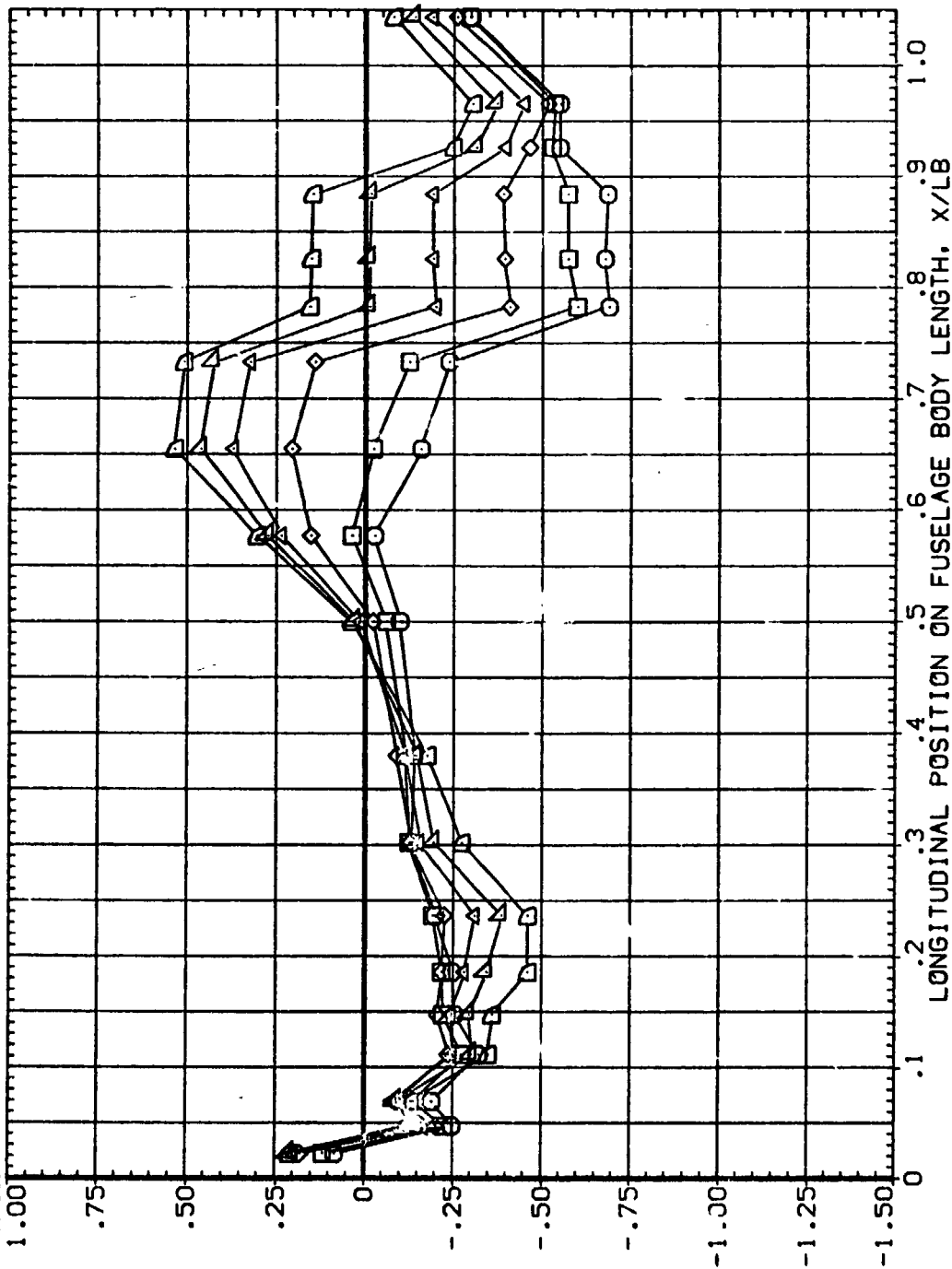


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB11)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
□	-2.970	55.000	10.050	ELEVON -40.000 RUDDER .000
◇	.030			BOFLAP -14.250 BETA 10.000
▽	5.020			
△	10.120			
▽	13.190			
▽	16.220			

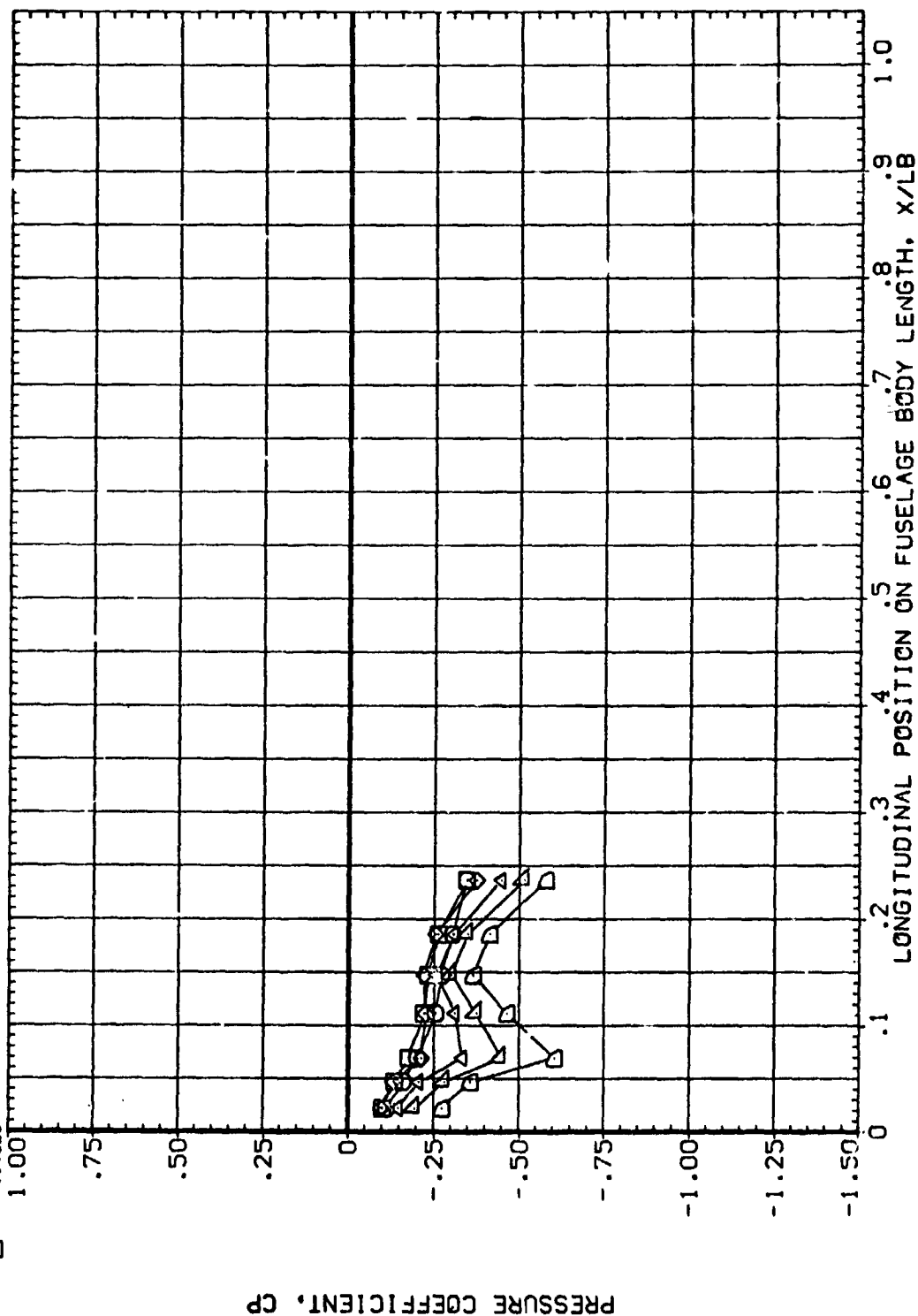


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

(RDQB11)

B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -10.000 RUDDER .000
BOFLAP -14.250 BETA 10.000

PHI BETA
70.000 10.050

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

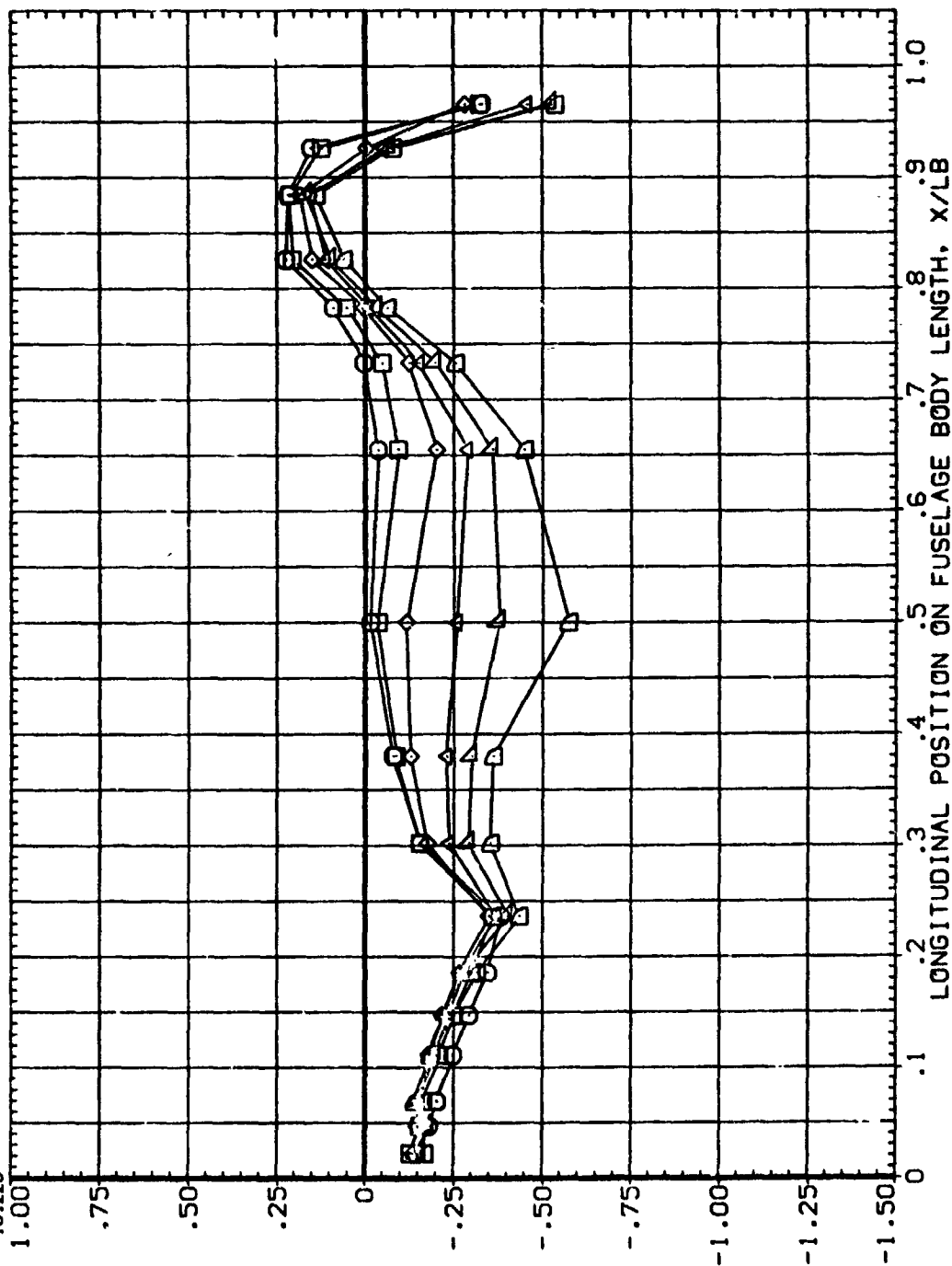
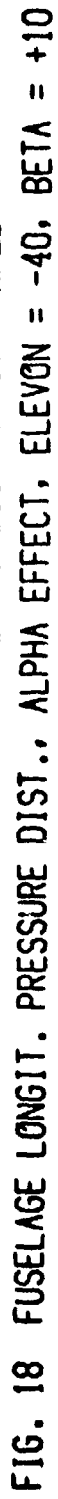


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

(R00811)

ALPHA	PHI	BETA
-2.970	90.000	10.050
.030		
5.020		
10.120		
13.190		
16.220		

PARAMETRIC VALUES	
ELEVON	-40.000
RUDDER	.000
80FLAP	-14.250
BETA	10.000



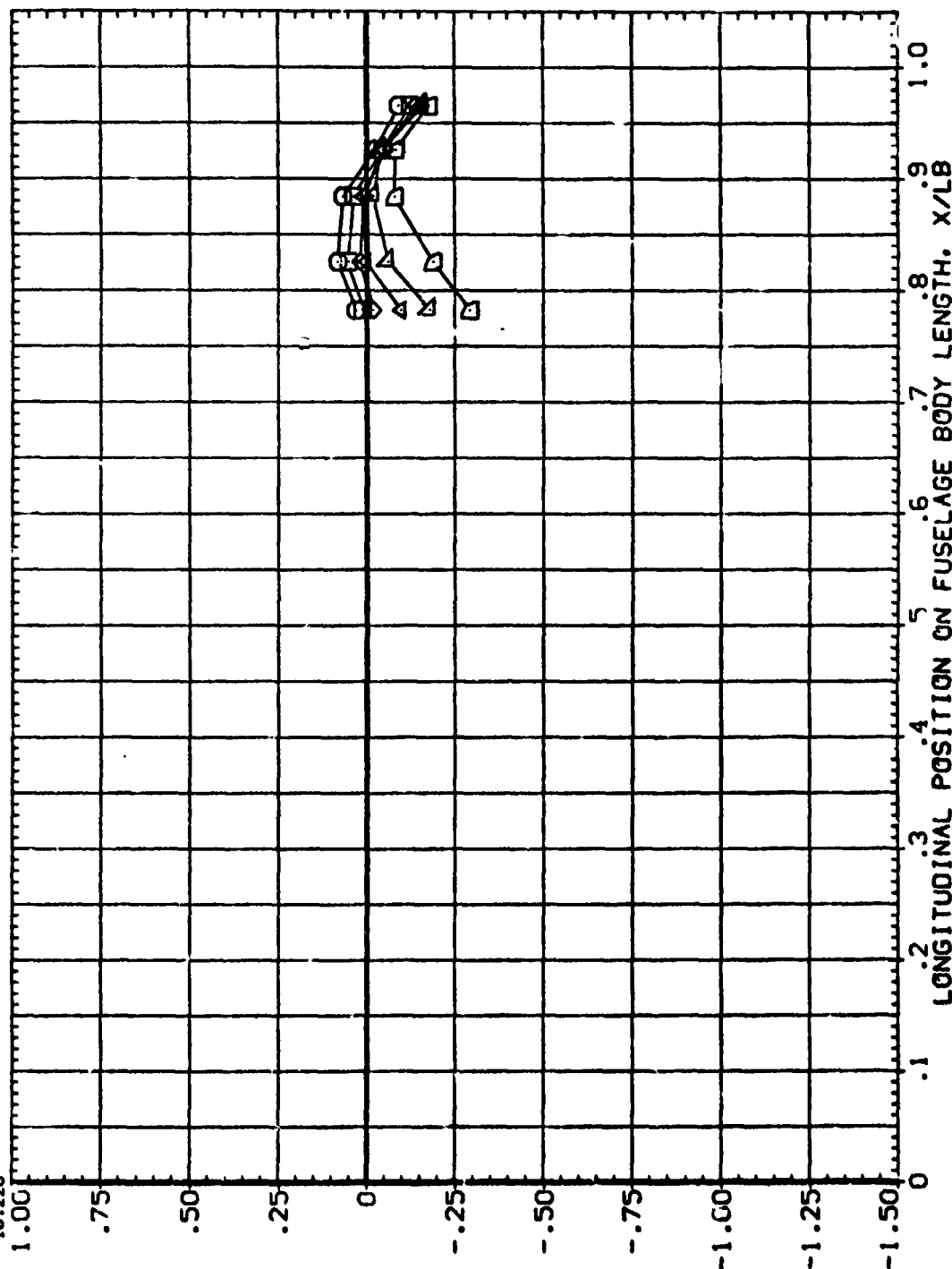
(RDQB11)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 105.000 10.050
.030
5.020
10.170
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸



PRESSURE COEFFICIENT, CP

FIG. 18 FUSELAGE LONGIT. PRESSURE DIST.. ALPHA EFFECT, ELEVON = -40, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB11)

SYMBOL
□
◇
△
▽
▽
▽

ALPHA	PHI	BETA
-2.970	120.000	10.050
.030		
5.020		
10.120		
13.190		
16.220		

PARAMETRIC VALUES		
ELEVON	RUDDER	
-40.000		.000
BDFLAP	BETA	10.000

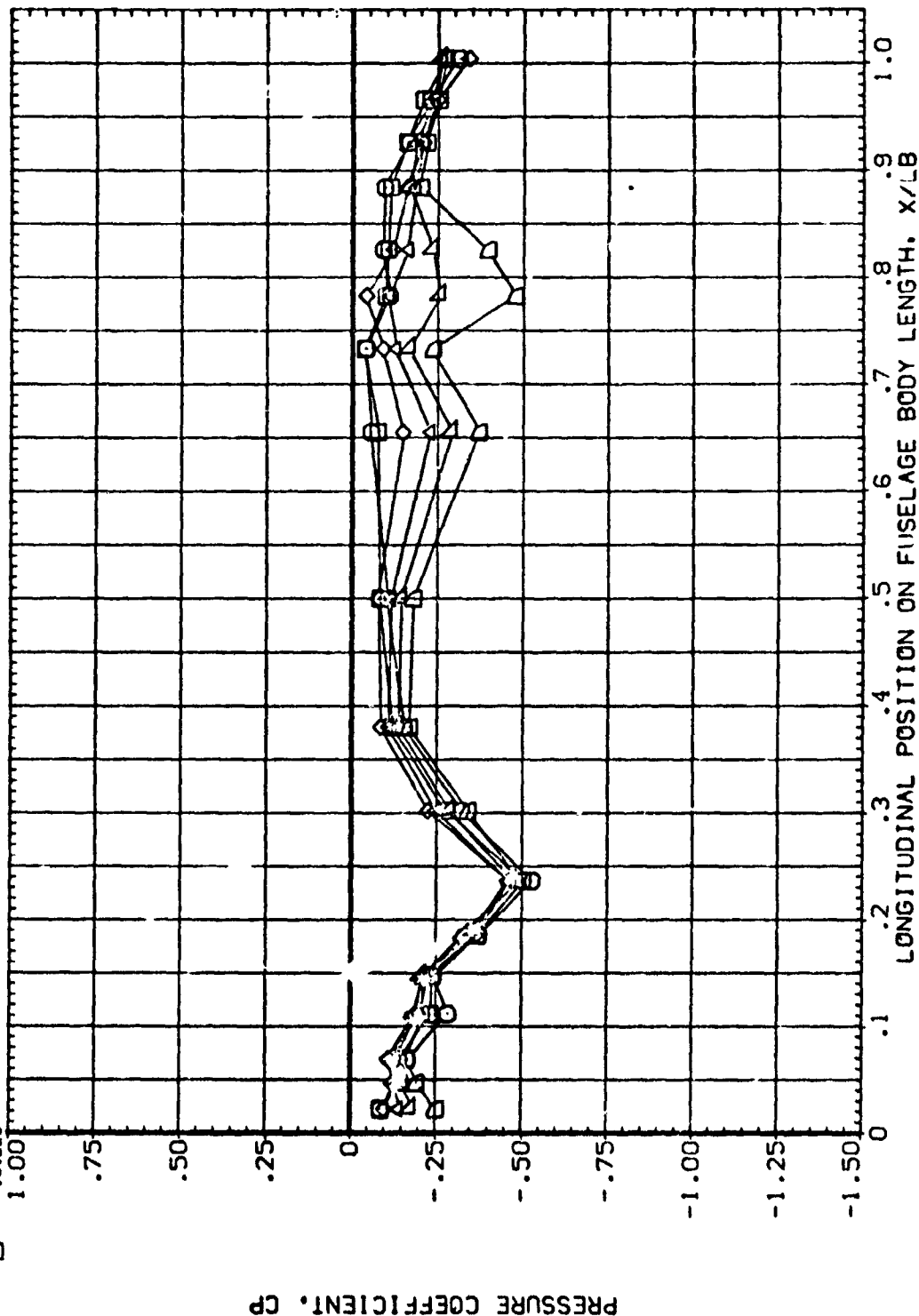


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RDQB11)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 135.000 10.050
.030
5.070
10.120
13.190
16.220

SYMBOL
▽
▽
◇
□

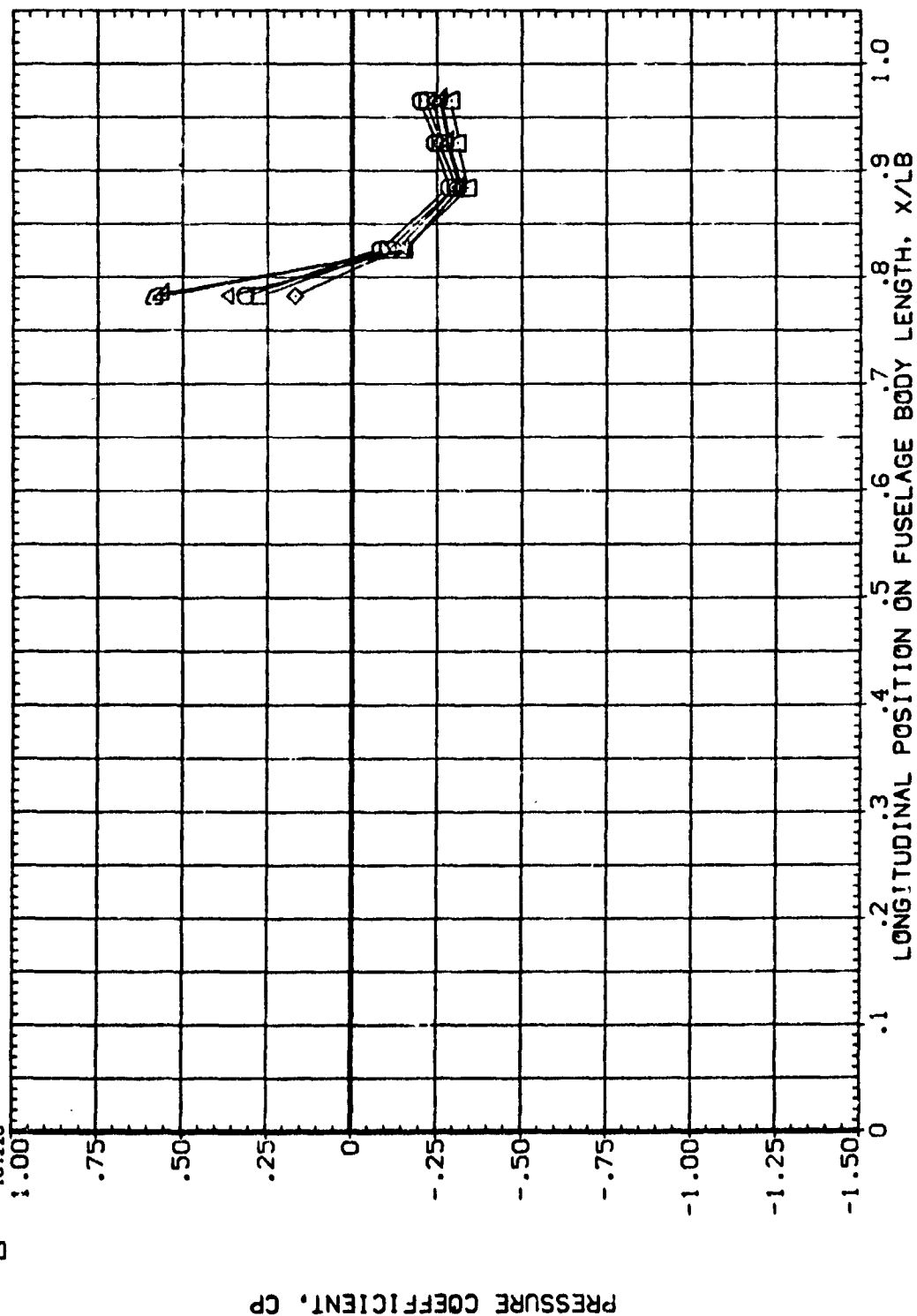


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT. ELEVON = -40, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB11)

SYMBOL
 ▽
 △
 ◇
 □
 ○

ALPHA PHI BETA
 -2.970 150.000 10.050
 .030
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

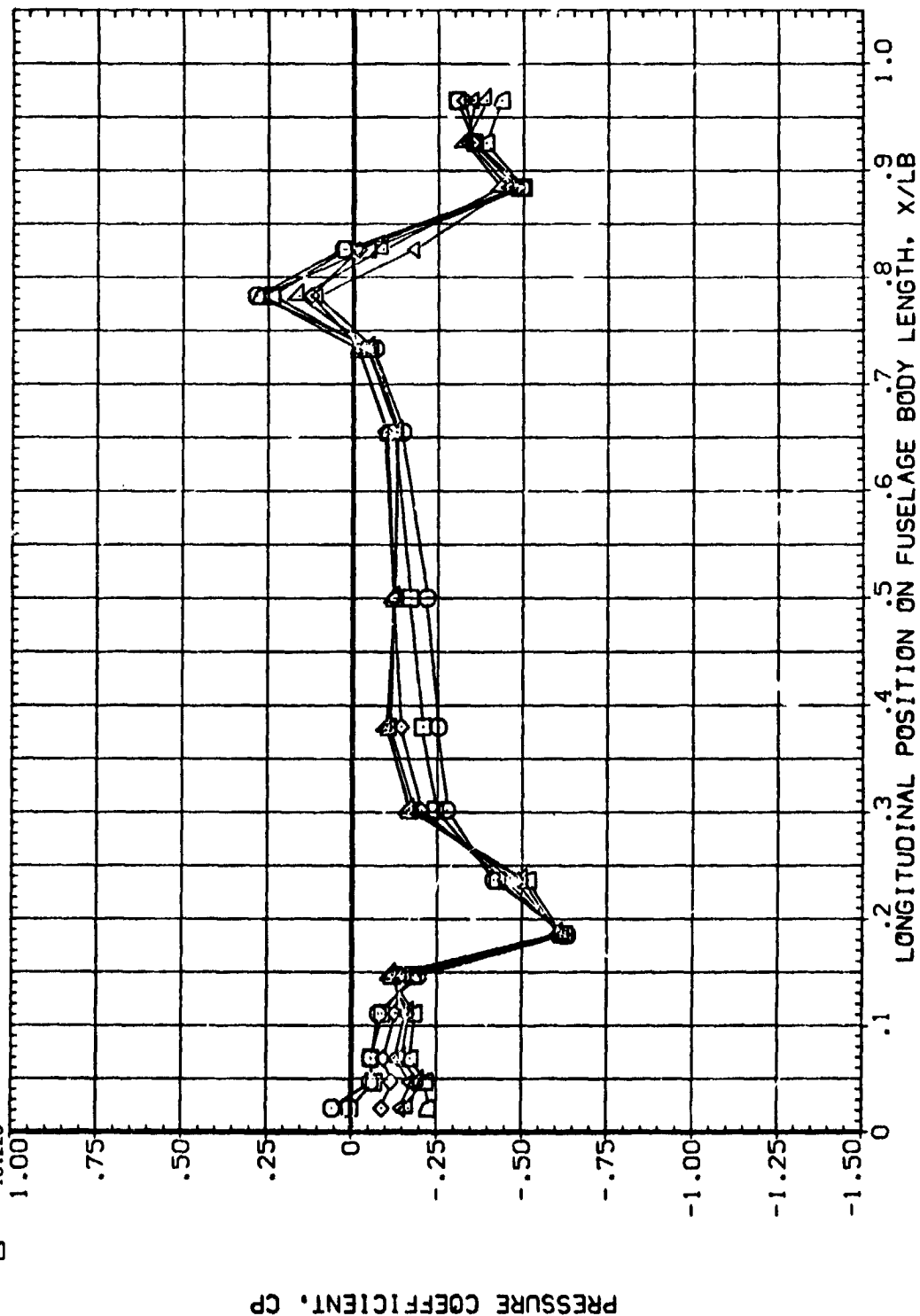


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40. BETA = +10

B26C9G1SM7F8W116E26V8R5X9 LEFT FUSE AGE

SYMBOL ALPHA PHI BETA

-2.970 165.000

.030

5.020

10.120

13.190

16.220

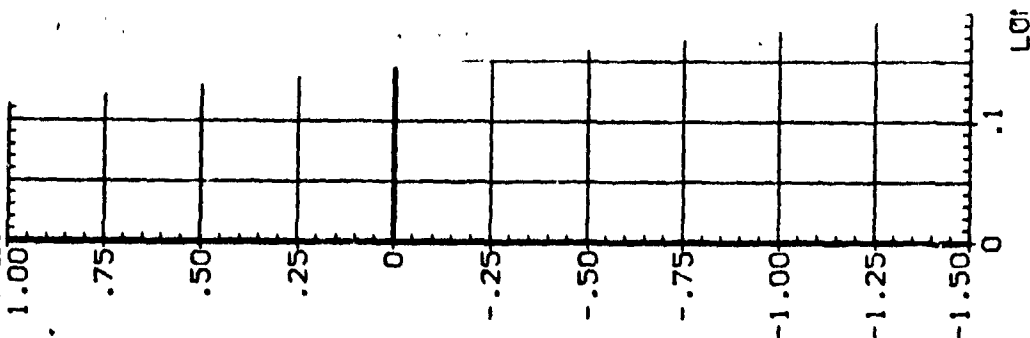


FIG. 18 FUSELAGE LOG

PRESSURE COEFFICIENT, CP

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B11)
 ALPHA PHI BETA
 -2.970 180.000 10.050
 .030
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

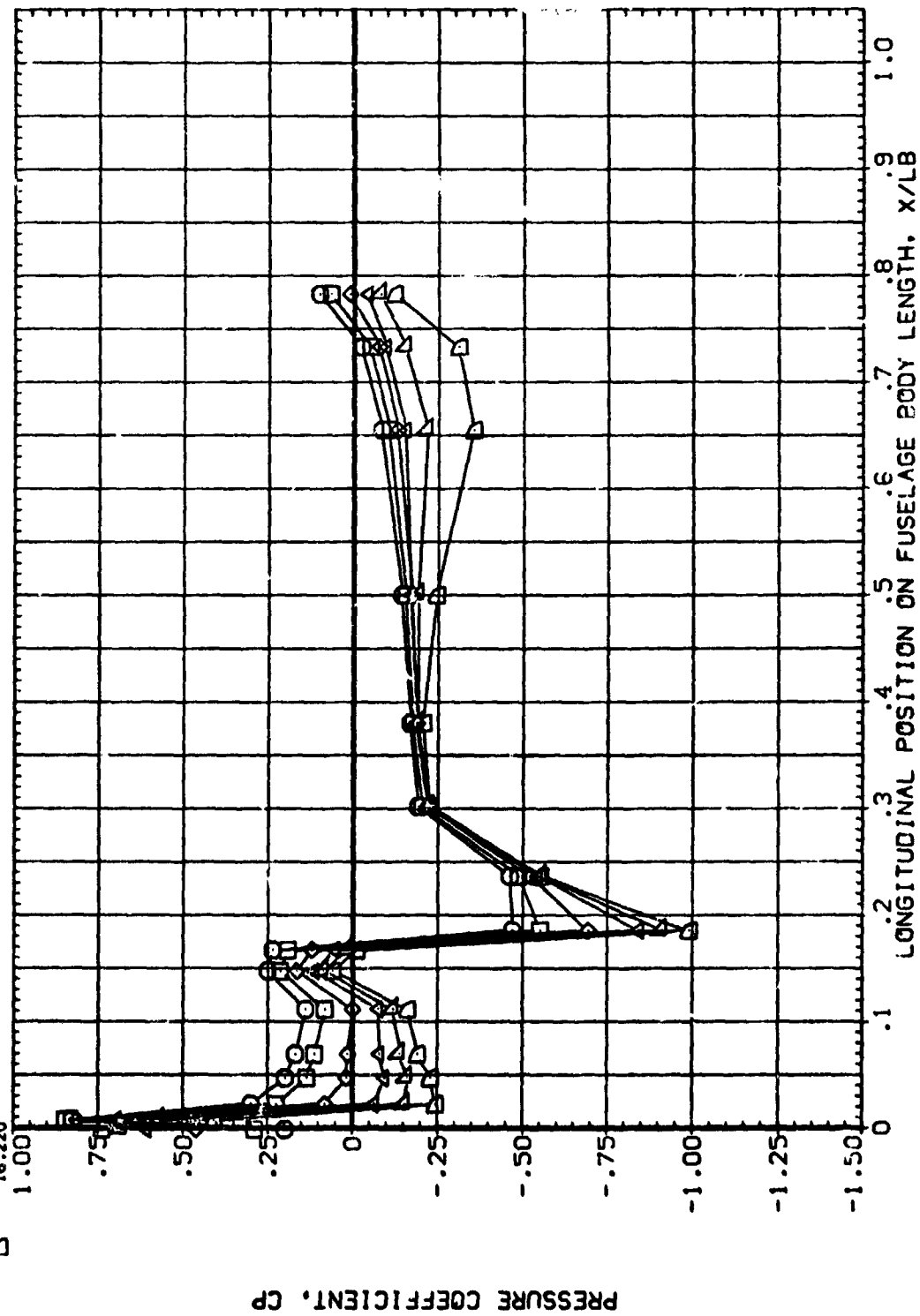


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

DATA SET SYMBOL
 (R00B03)
 (R00B13)
 (R00B12)
 (R00B05)
 (R00A15)
 (R00A12)

CONFIGURATION DESCRIPTION
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 RIGHT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

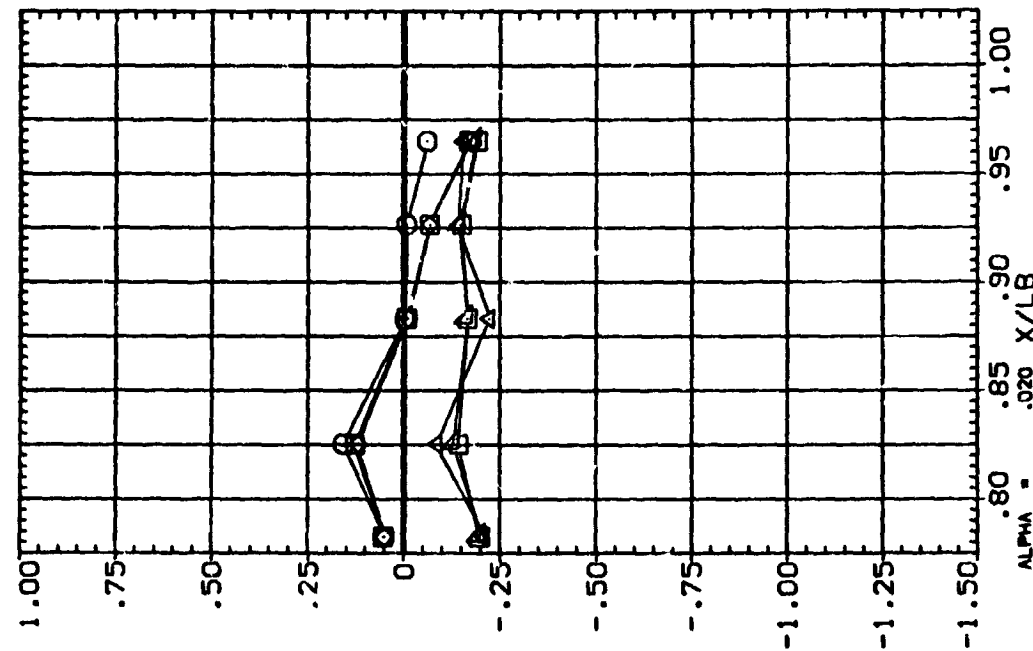
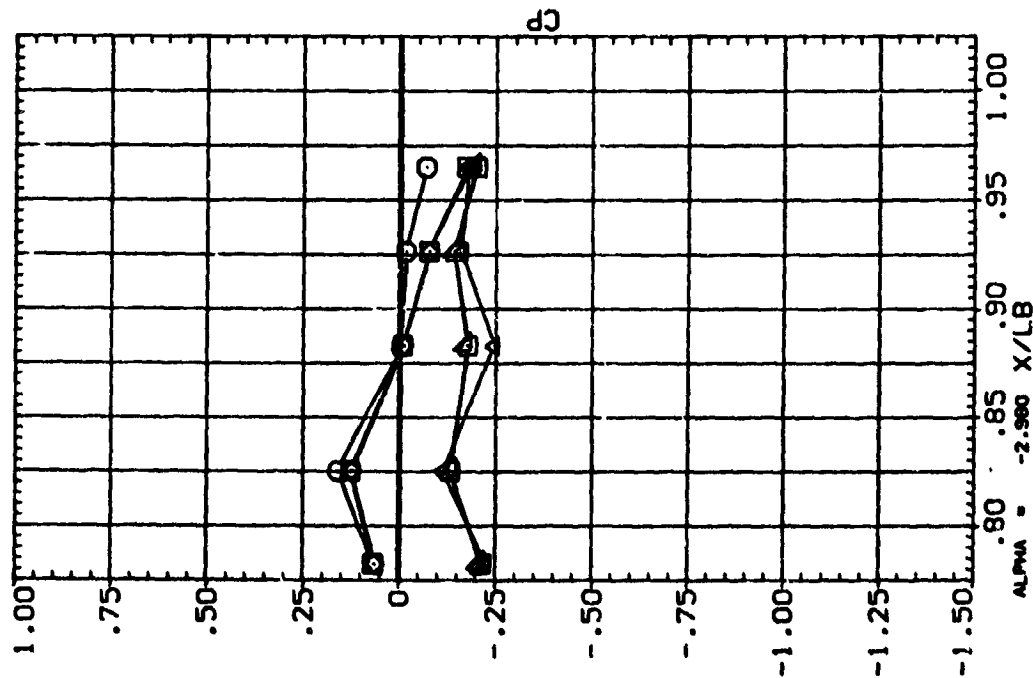


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

(R00B02) B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE
 (R00A12) B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE
 (R00A11) B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE
 (R00B05) B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE
 (R00A15) B26C9G15M7F8M116E2SV8P5X9 RIGHT FUSELAGE
 (R00A12) B26C9G15M7F8M116E2SV8P5X9 RIGHT FUSELAGE

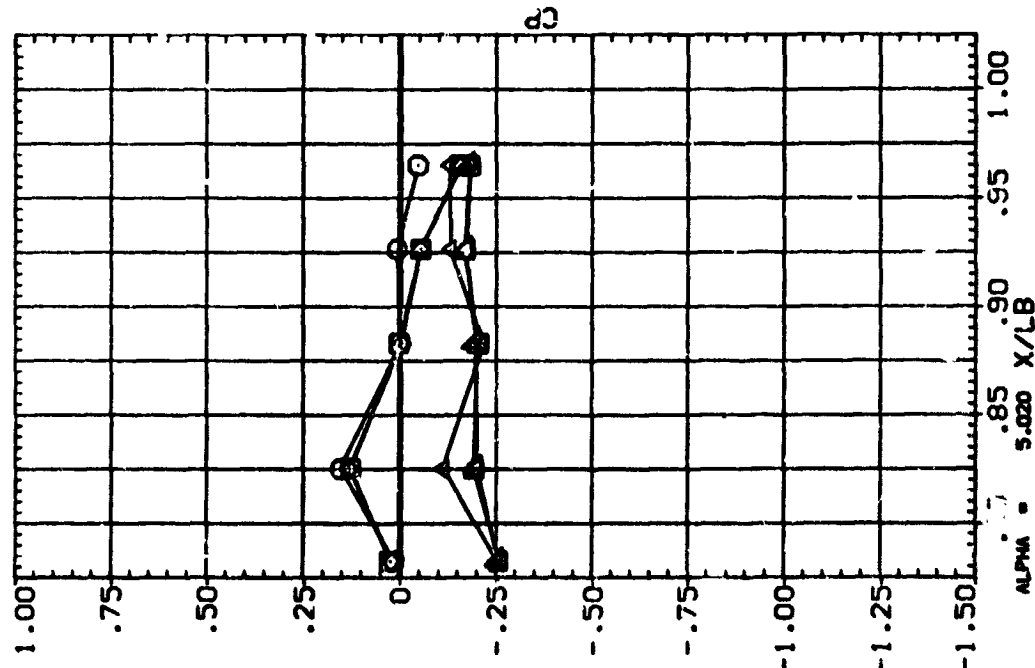
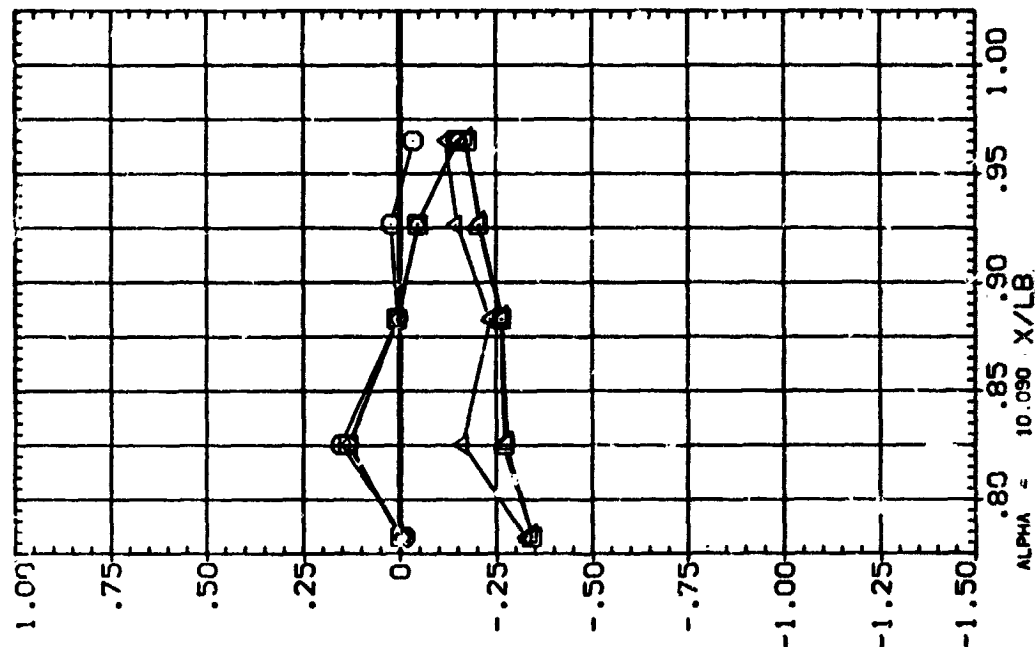
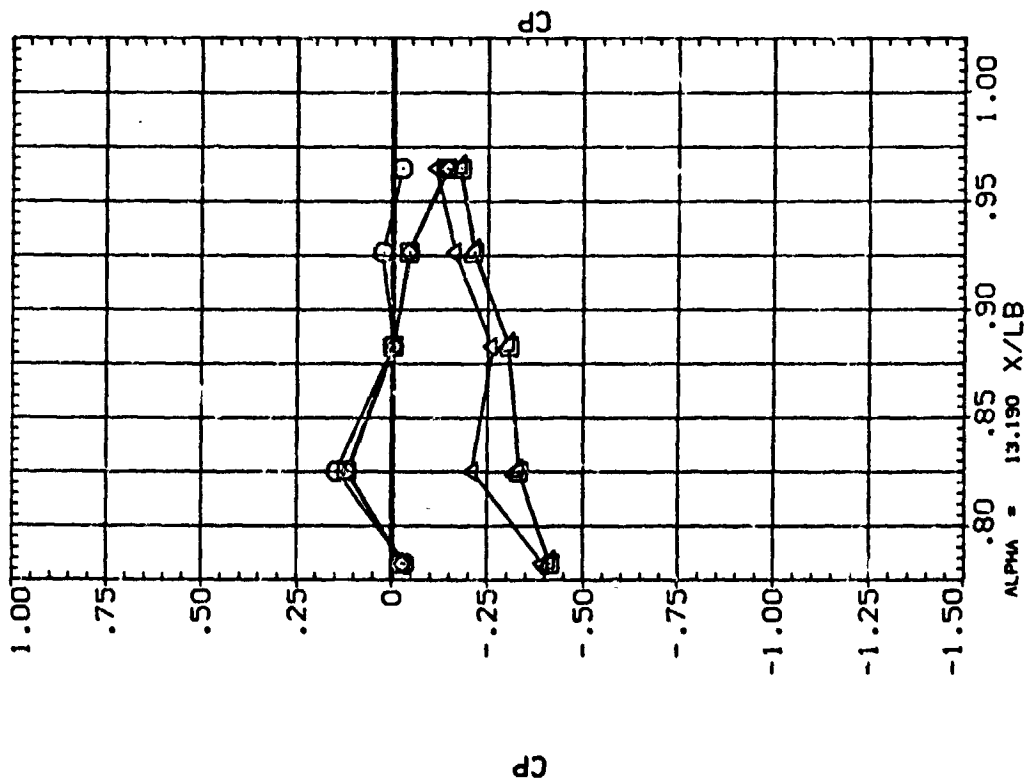


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00803) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00815) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00812) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00805) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A15) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A12) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE



BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

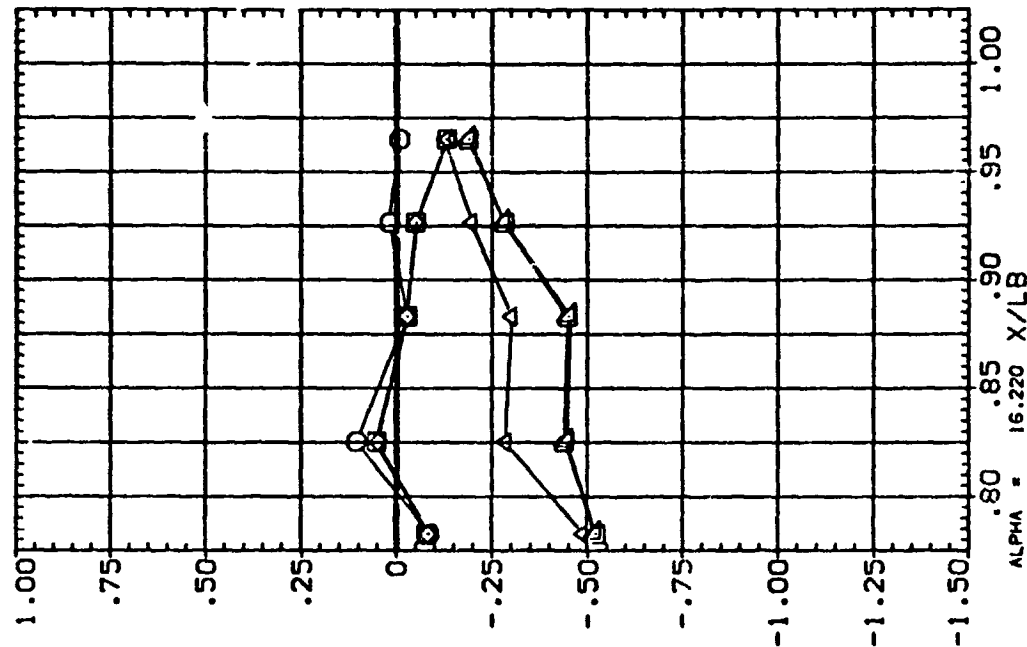


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R0803)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R0803)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

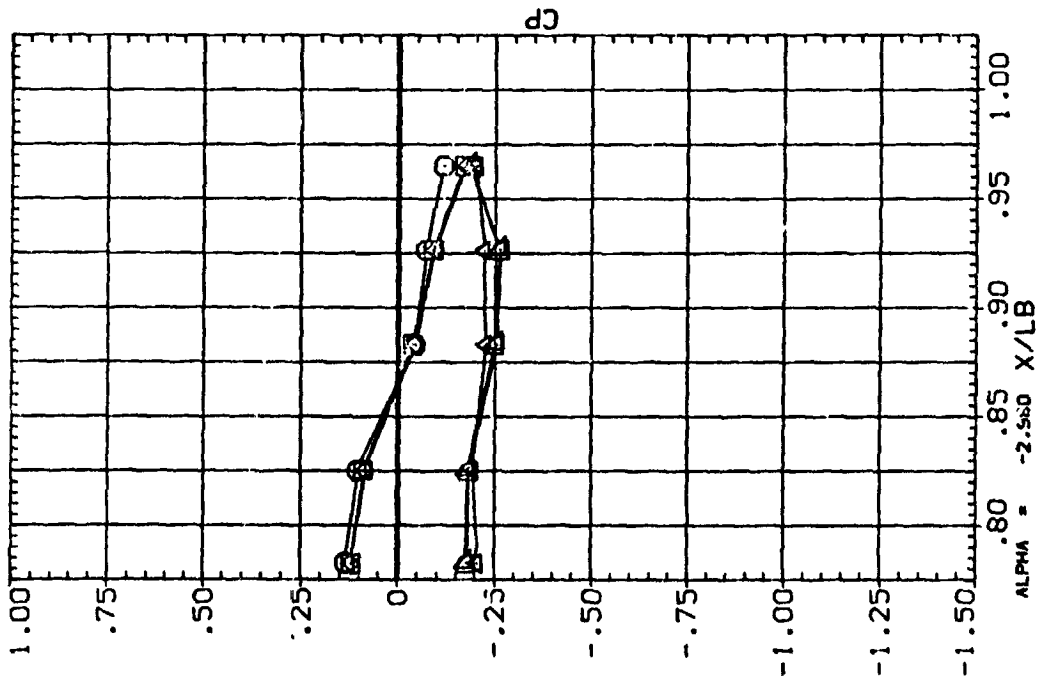
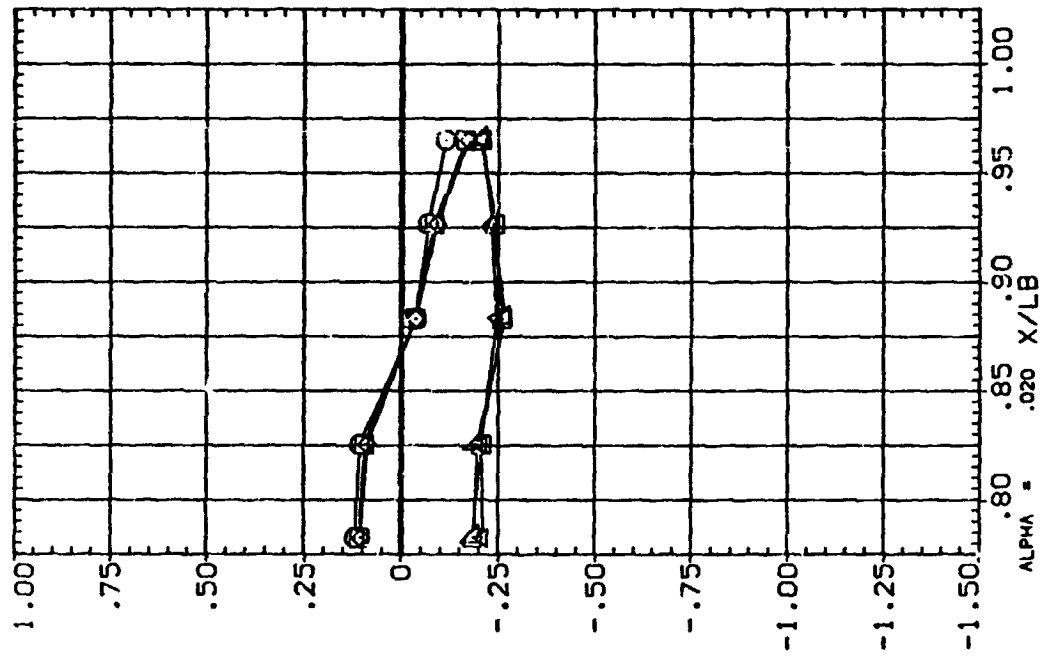


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 105.000

DATA SET SYMBOL
 (PCB03)
 (PCB15)
 (PCB12)
 (PCB05)
 (PCB15)
 (PCB12)

CONFIGURATION DESCRIPTION
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 RIGHT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

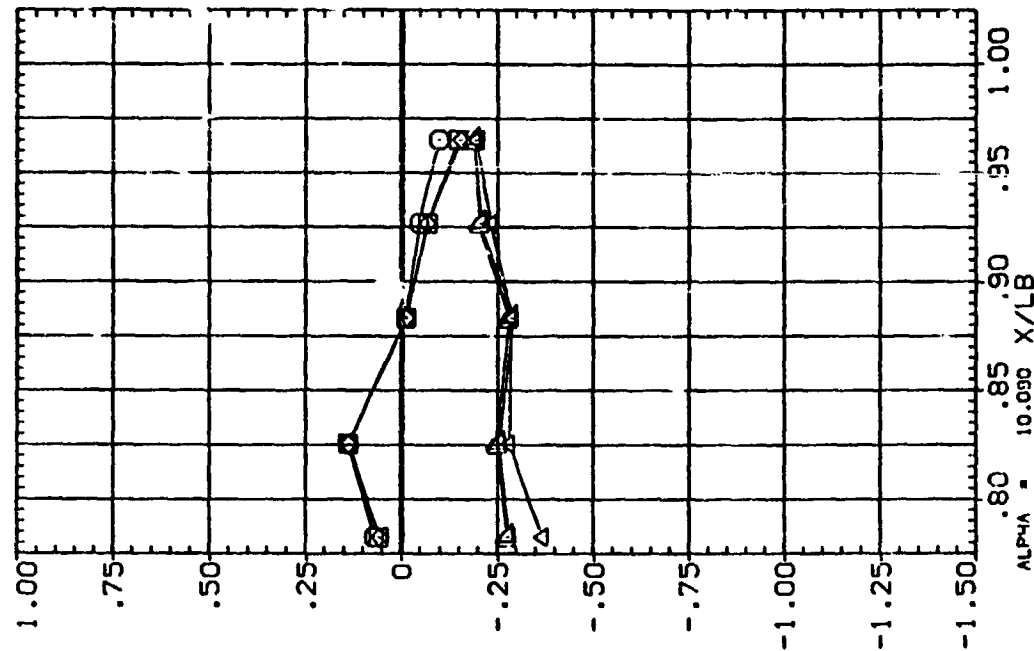
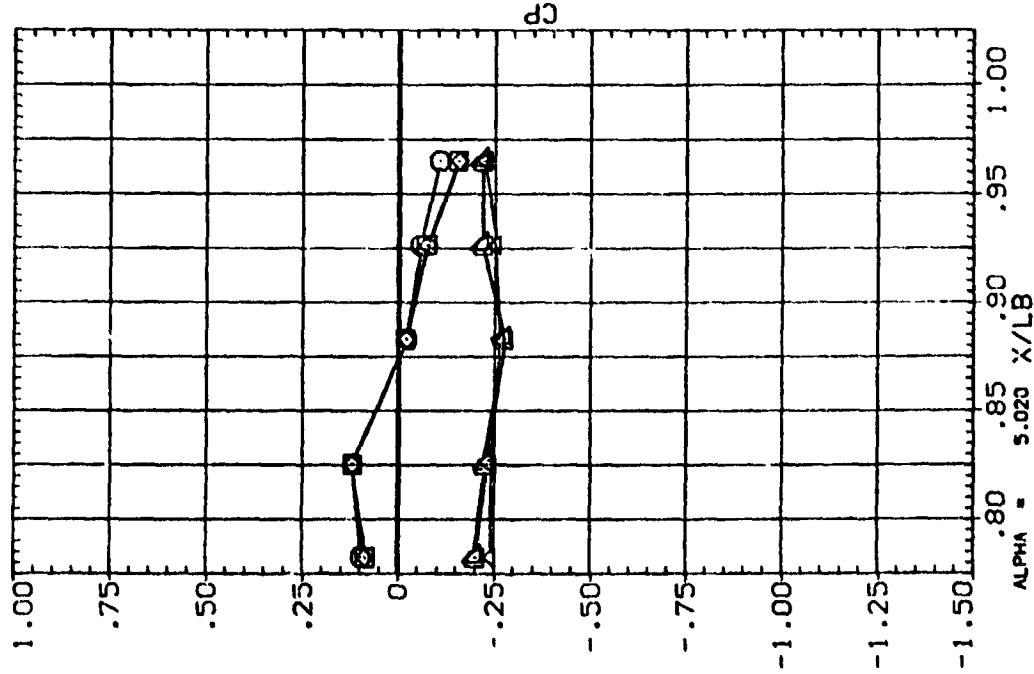


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 105.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 RIGHT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 RIGHT FUSELAGE

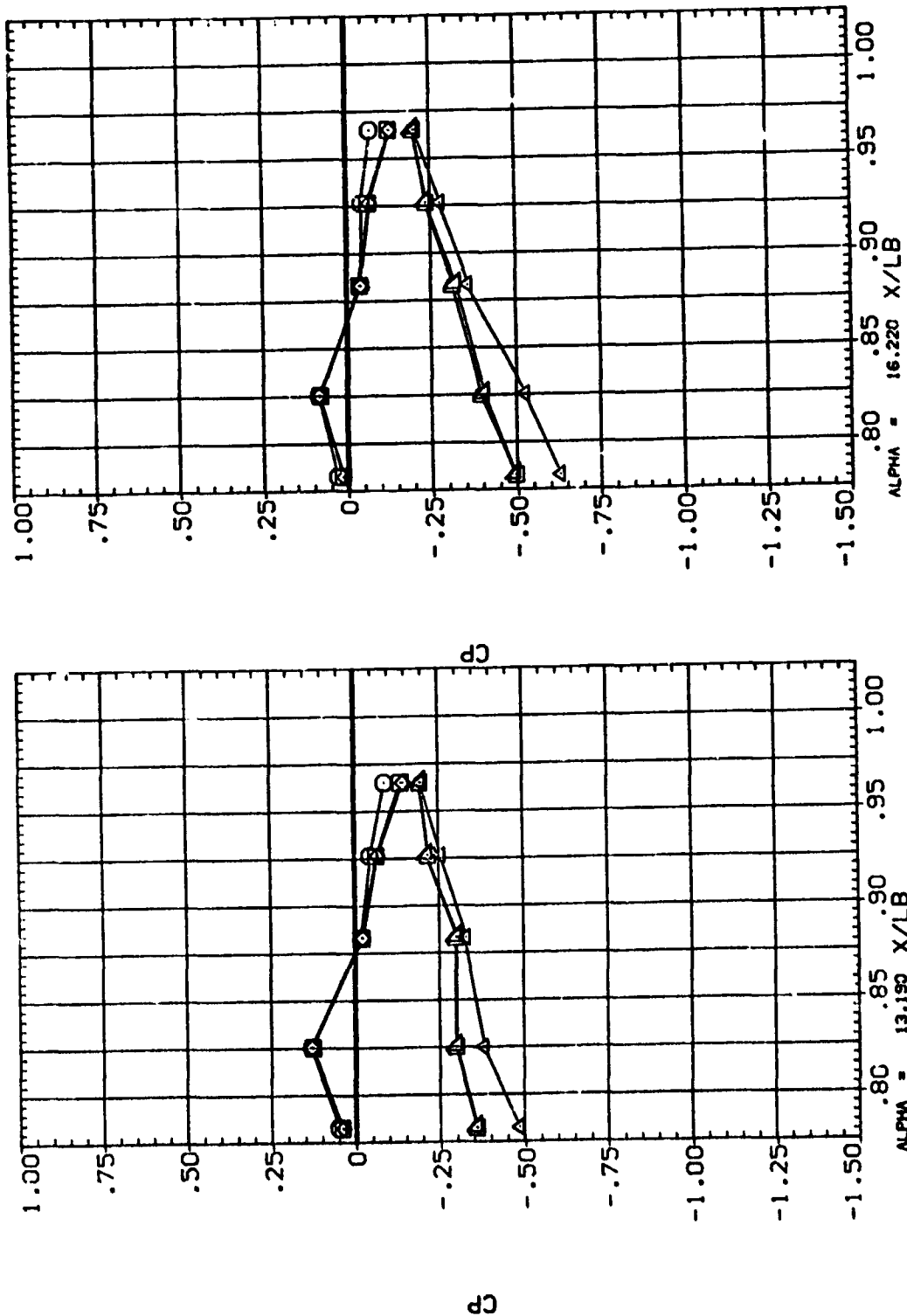


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 105.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R02803)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R02815)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R02812)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R02805)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R02815)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(R02812)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

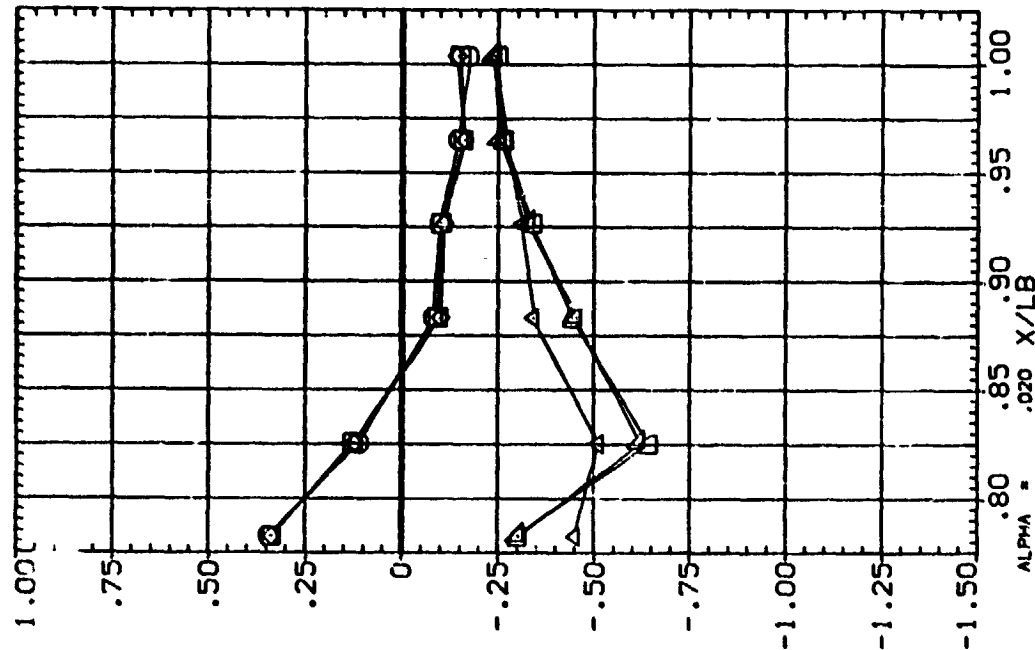
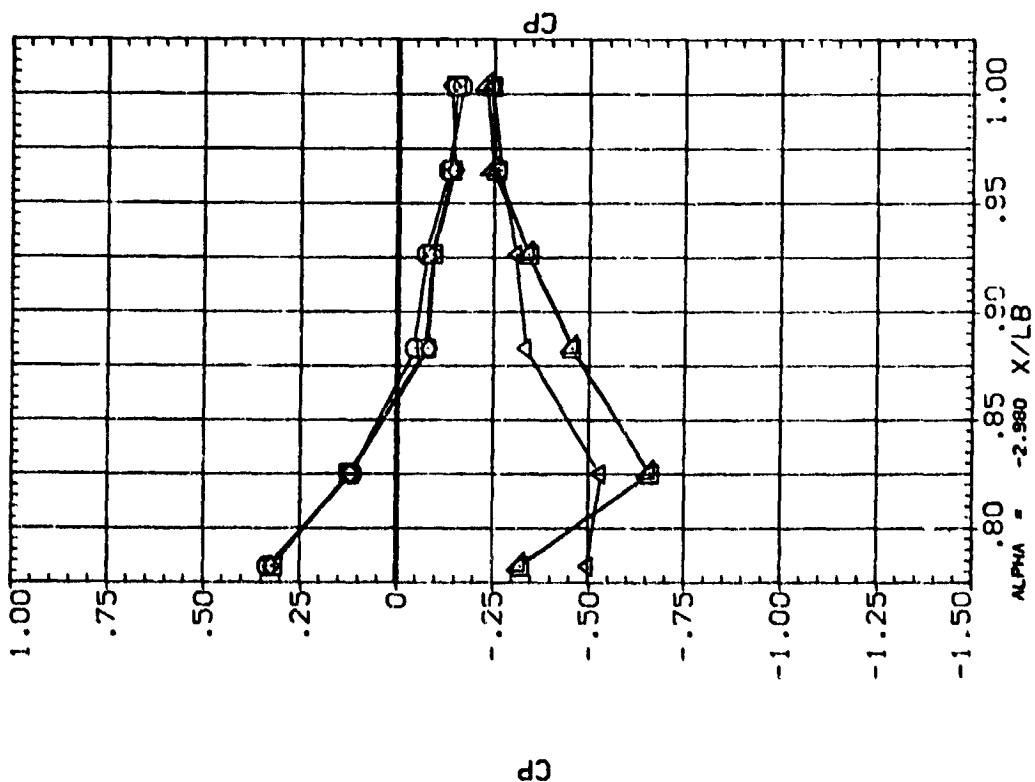
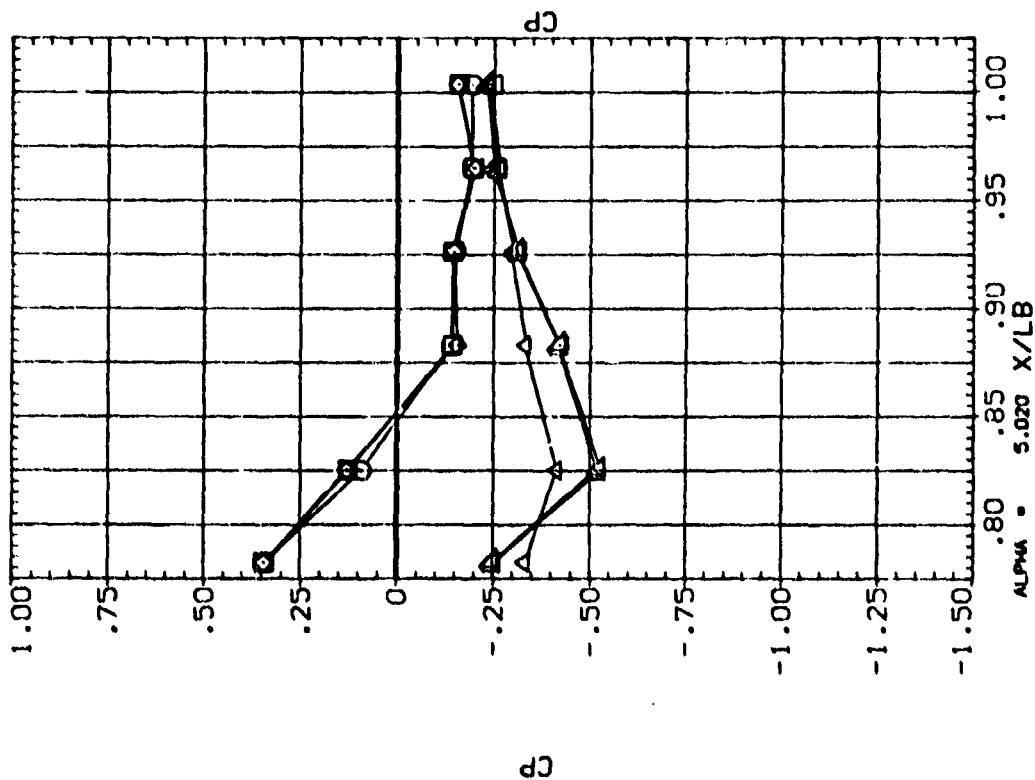


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(P3303)	B26C9G15M7F8W116E26/8P5X9	LEFT FUSELAGE
(P3315)	B26C9G15M7F8W116E26/8P5X9	LEFT FUSELAGE
(P3312)	B26C9G15M7F8W116E26/8P5X9	LEFT FUSELAGE
(P3305)	B26C9G15M7F8W116E26/8P5X9	LEFT FUSELAGE
(P3415)	B26C9G15M7F8W116E26/8P5X9	RIGHT FUSELAGE
(P3412)	B26C9G15M7F8W116E26/8P5X9	RIGHT FUSELAGE



BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

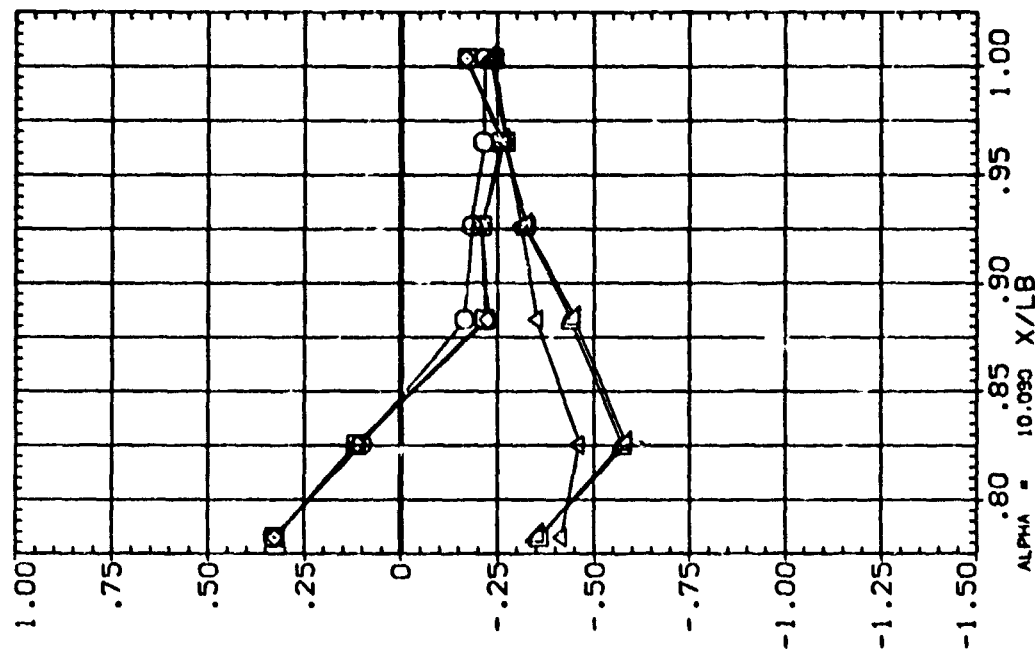


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 120.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(RDCB03)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	.000	.000
(RDCB15)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	-7.500	.000
(RDCB12)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	-15.000	.000
(RDCB05)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	.000	.000
(RDCB13)	B26C9G15M7F8V116E26VBRX9 RIGHT FUSELAGE	-10.000	-7.500	.000
(RDCB12)	B26C9G15M7F8V116E26VBRX9 RIGHT FUSELAGE	-10.000	-15.000	.000

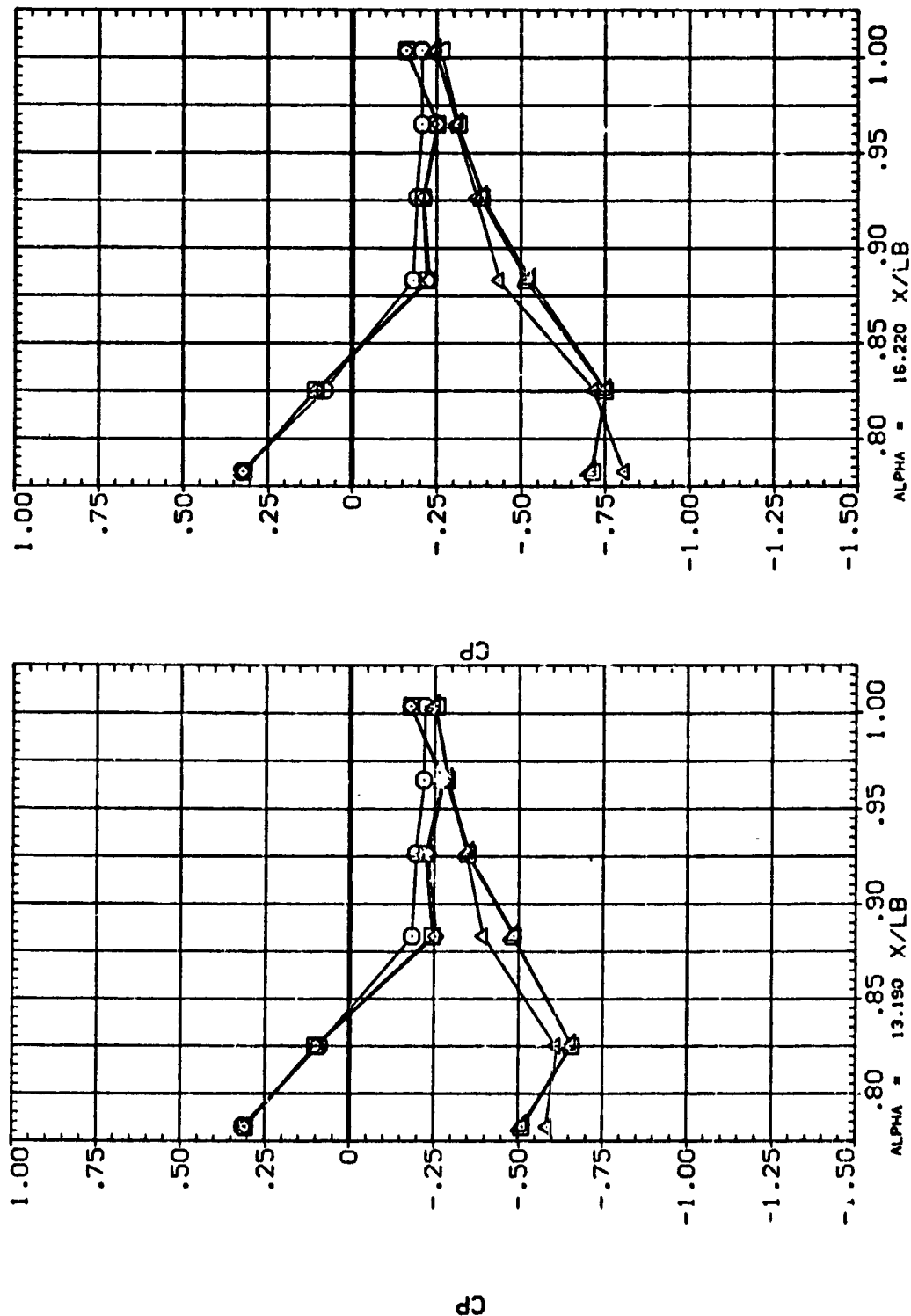


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R03803) B260315M7F8W116E26V895X9 LEFT FUSELAGE
 (R03815) B260315M7F8W116E26V895X9 LEFT FUSELAGE
 (R03812) B260315M7F8W116E26V895X9 LEFT FUSELAGE
 (R03815) B260315M7F8W116E26V895X9 LEFT FUSELAGE
 (R03815) B260315M7F8W116E26V895X9 LEFT FUSELAGE
 (R03815) B260315M7F8W116E26V895X9 LEFT FUSELAGE
 (R03815) B260315M7F8W116E26V895X9 LEFT FUSELAGE
 (R03815) B260315M7F8W116E26V895X9 LEFT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

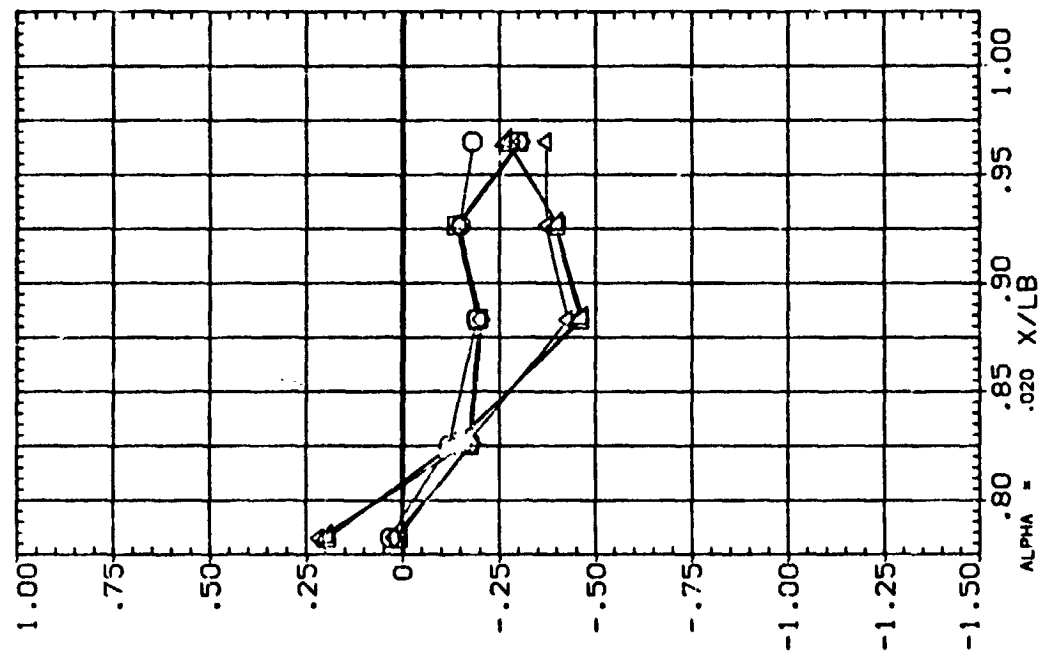
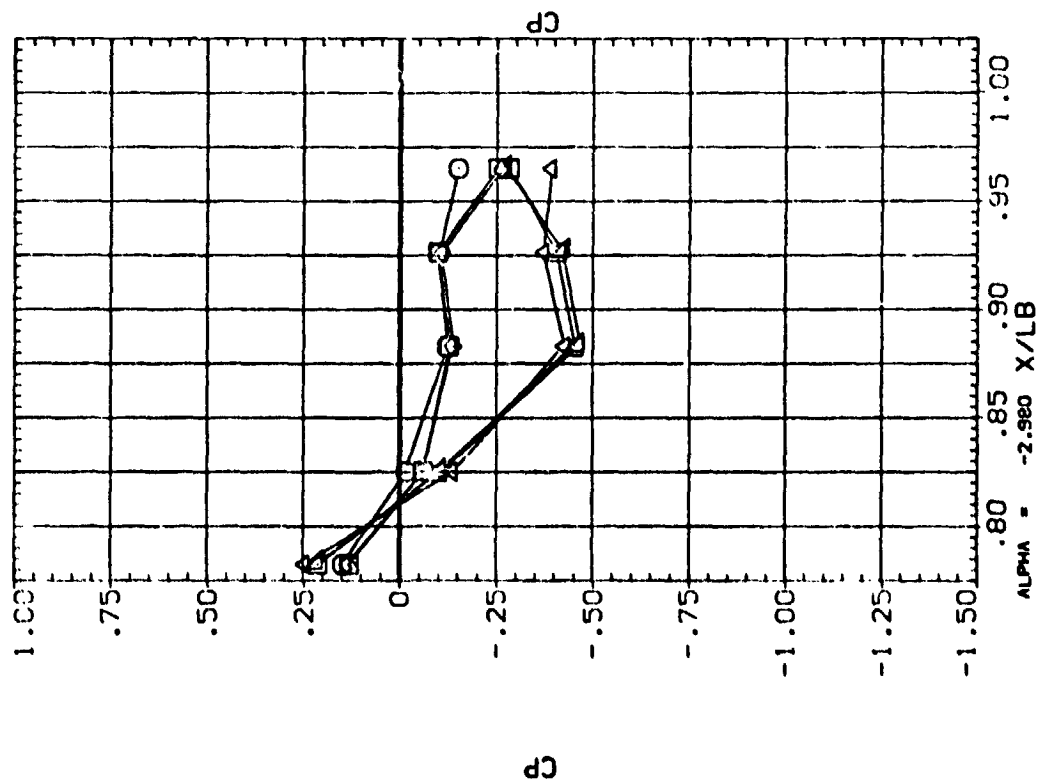


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.000 PHI = 135.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R0203)	B26C9015M7B116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R0215)	B26C9015M7B116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R0212)	B26C9015M7B116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R0205)	B26C9015M7B116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R0215)	B26C9015M7B116E26V8R5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(R0212)	B26C9015M7B116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

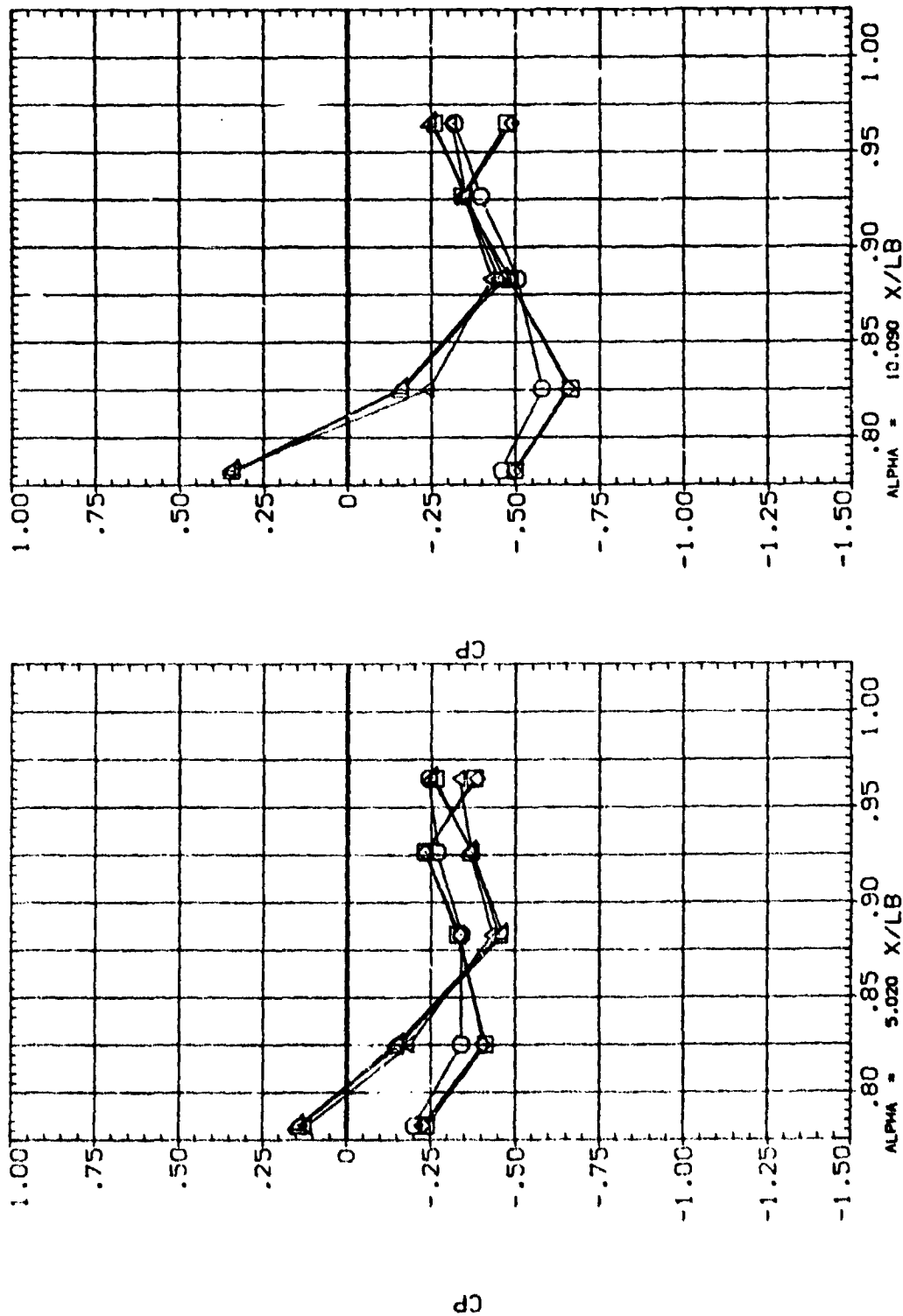


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 PHI = 135.000 PAGE 158

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(PC2303)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(PC2315)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(PC2321)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(PC2325)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(PC2331)		B26C9G15M7F8N116E26V8R5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(PC2335)		B26C9G15M7F8N116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

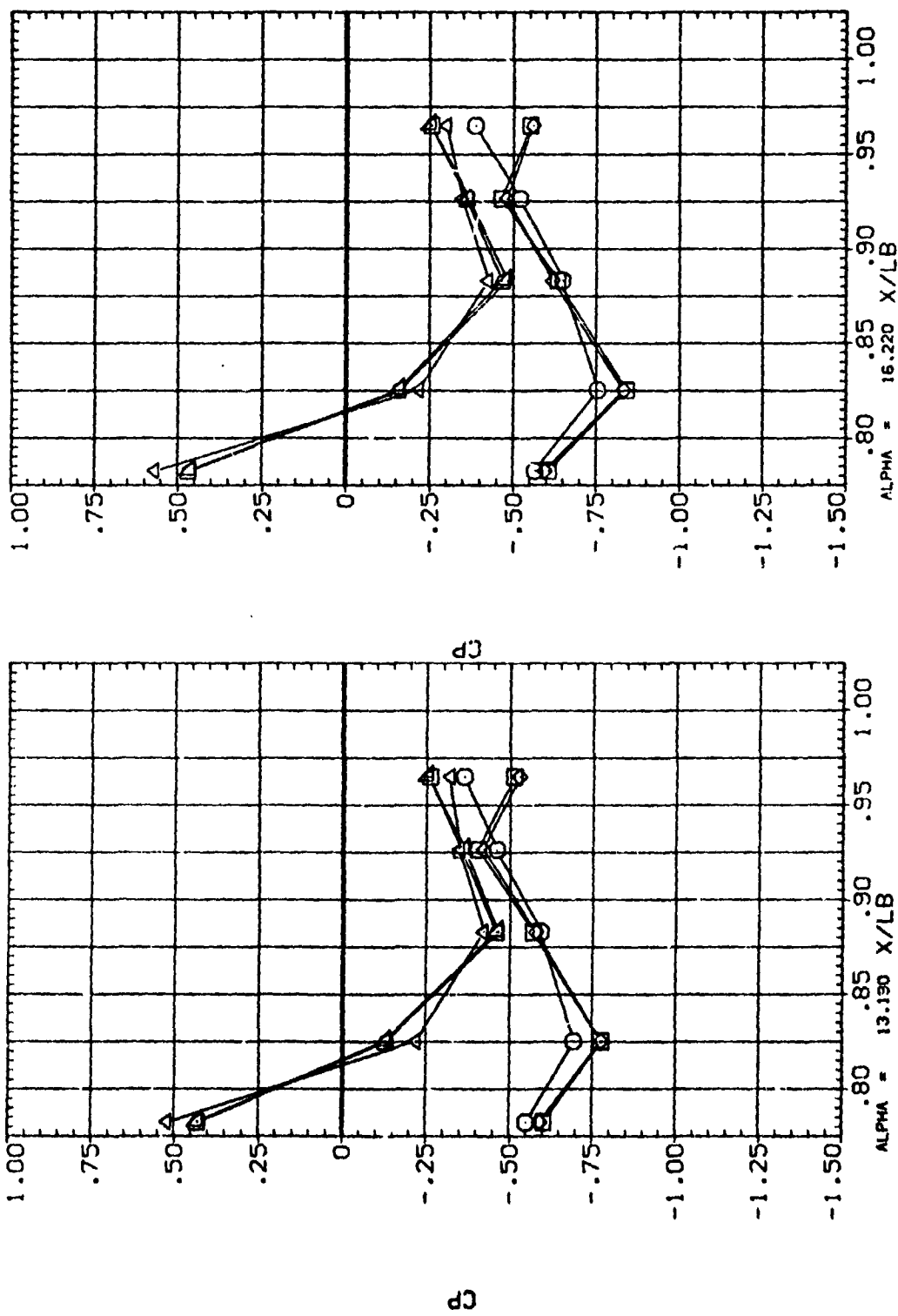


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 PHI = 135.000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RC0803) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0811) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0812) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0805) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0813) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (RC0812) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

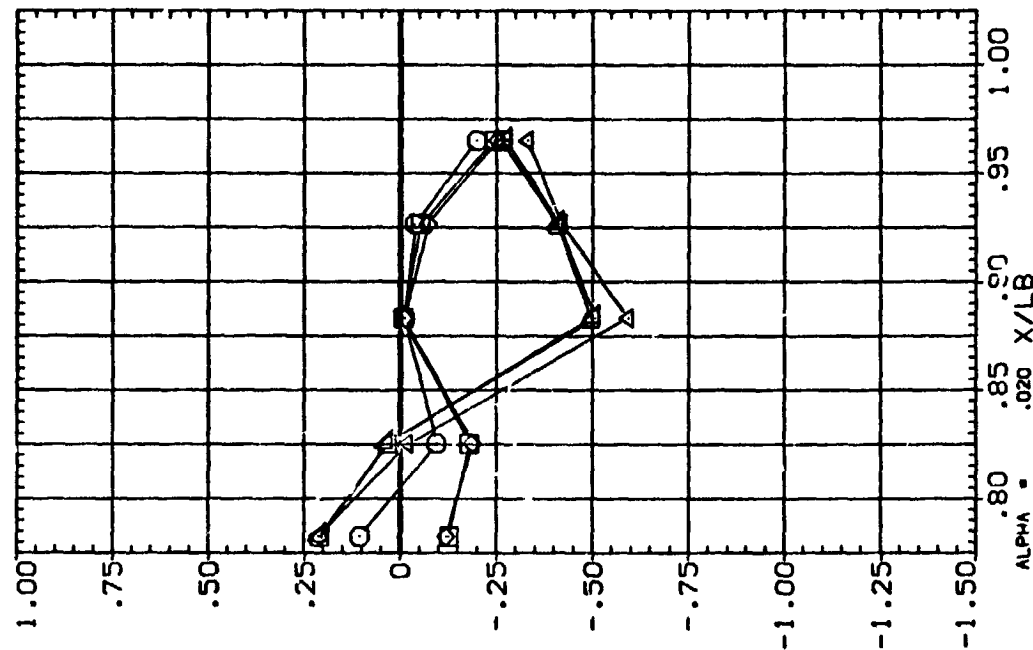
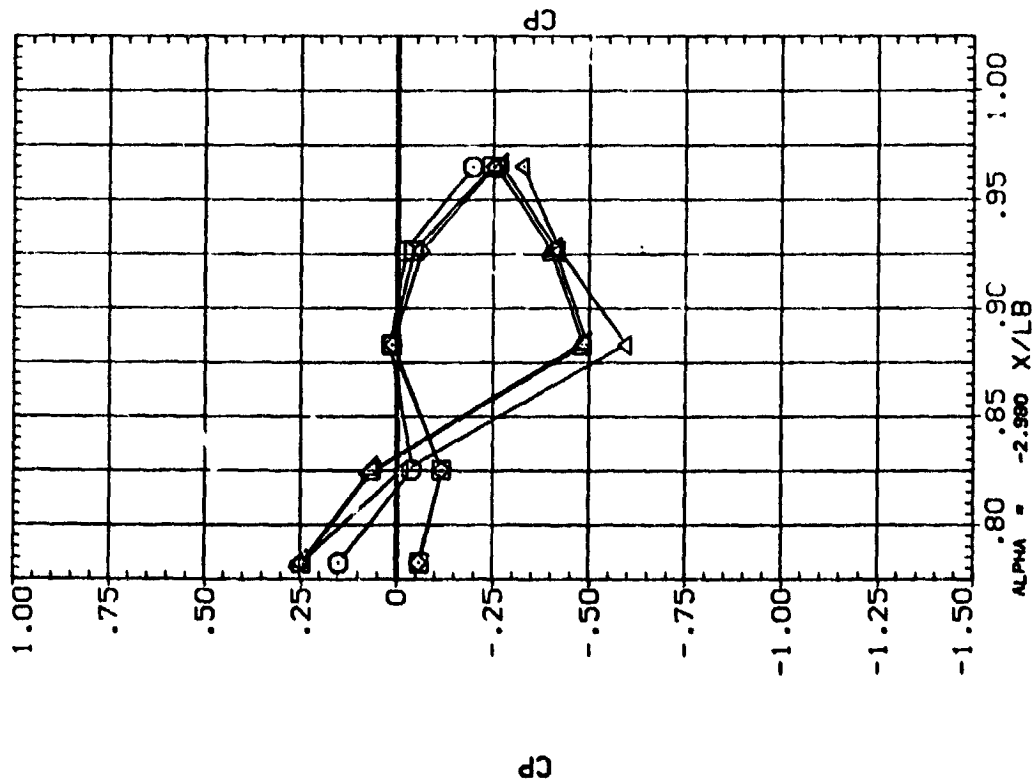


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT; BETA = -10

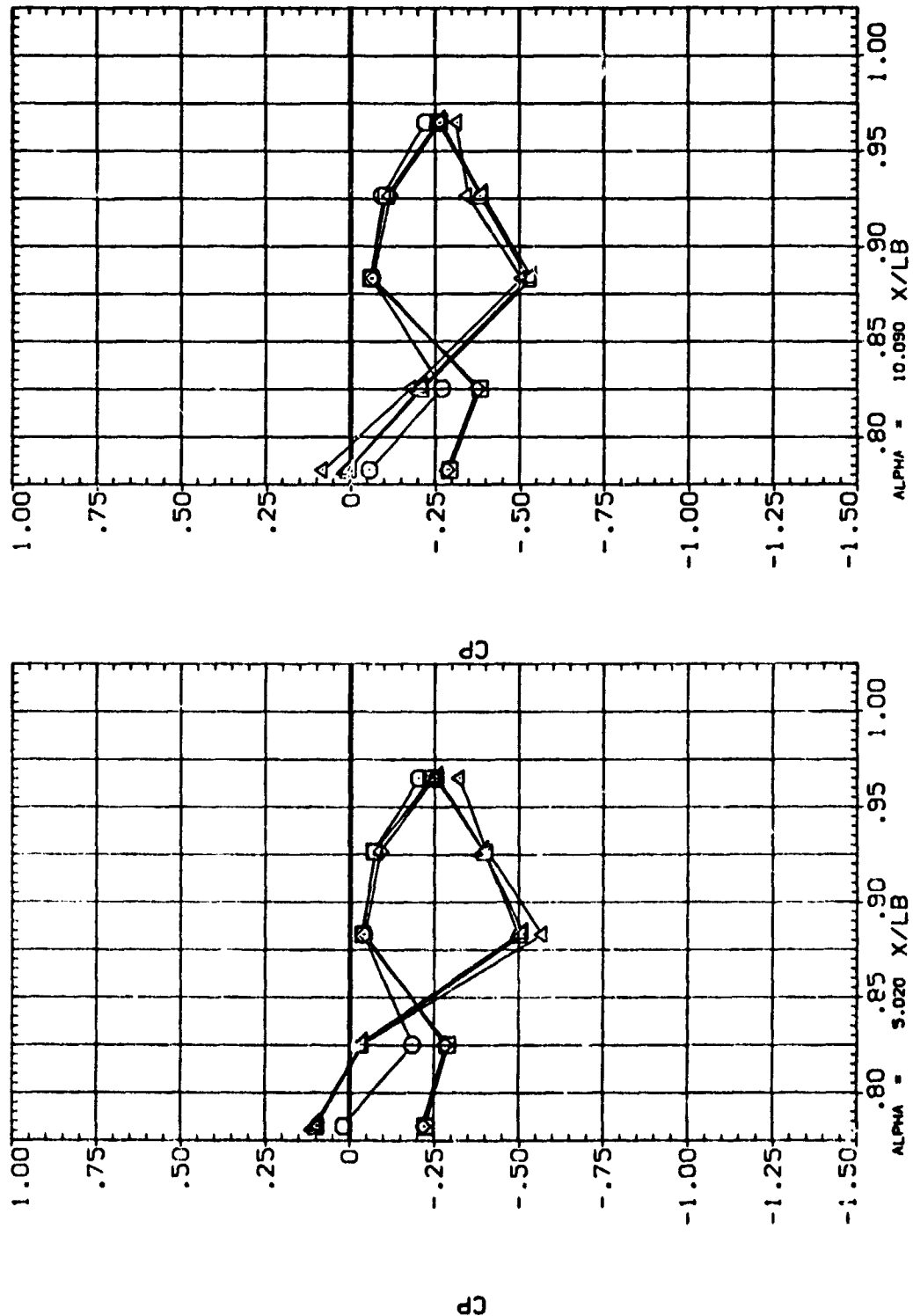
BETA = -10.060 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R02903)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02915)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02912)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02905)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02915)	B26C9G15M7F8W116E26V8S3X9	RIGHT FUSELAGE
(R02912)	B26C9G15M7F8W116E26V8S3X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000



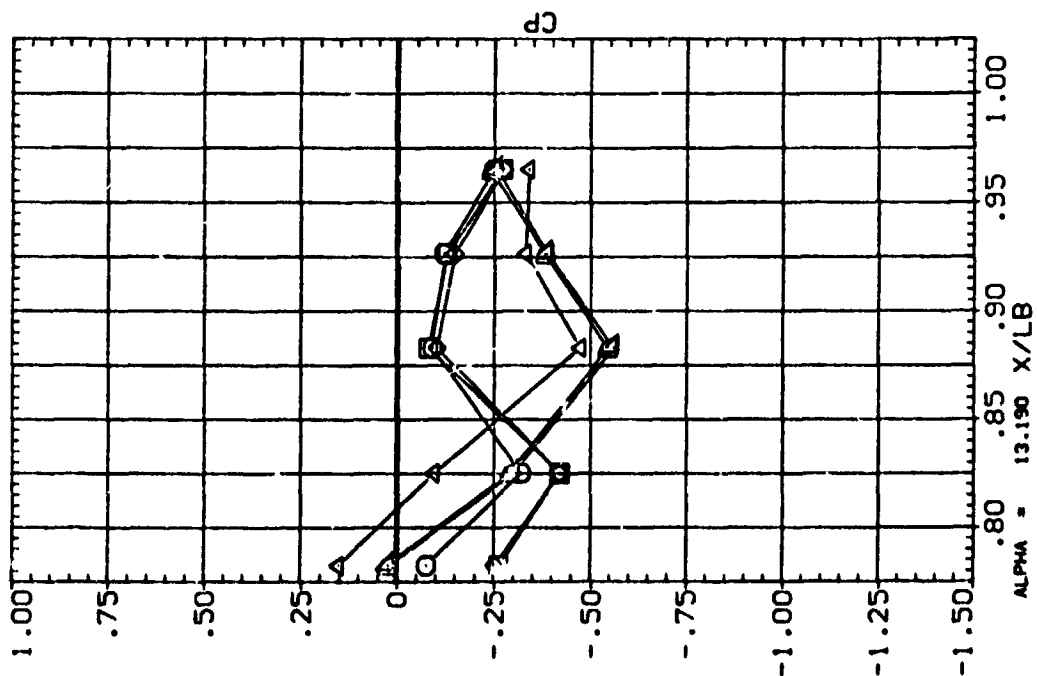
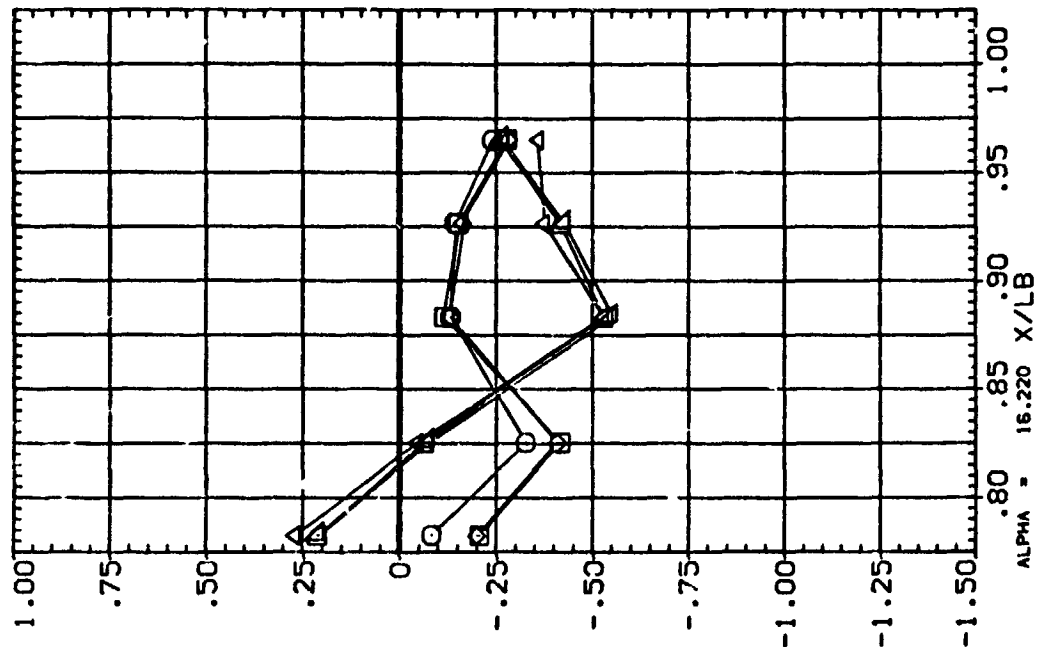
[illegible]

FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10^\circ$

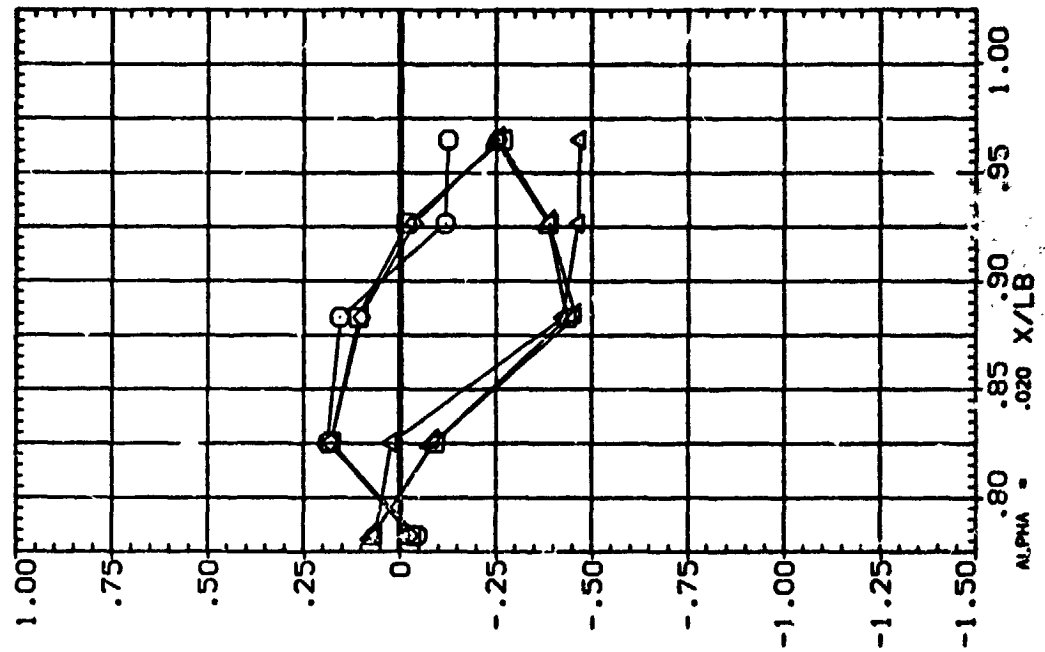
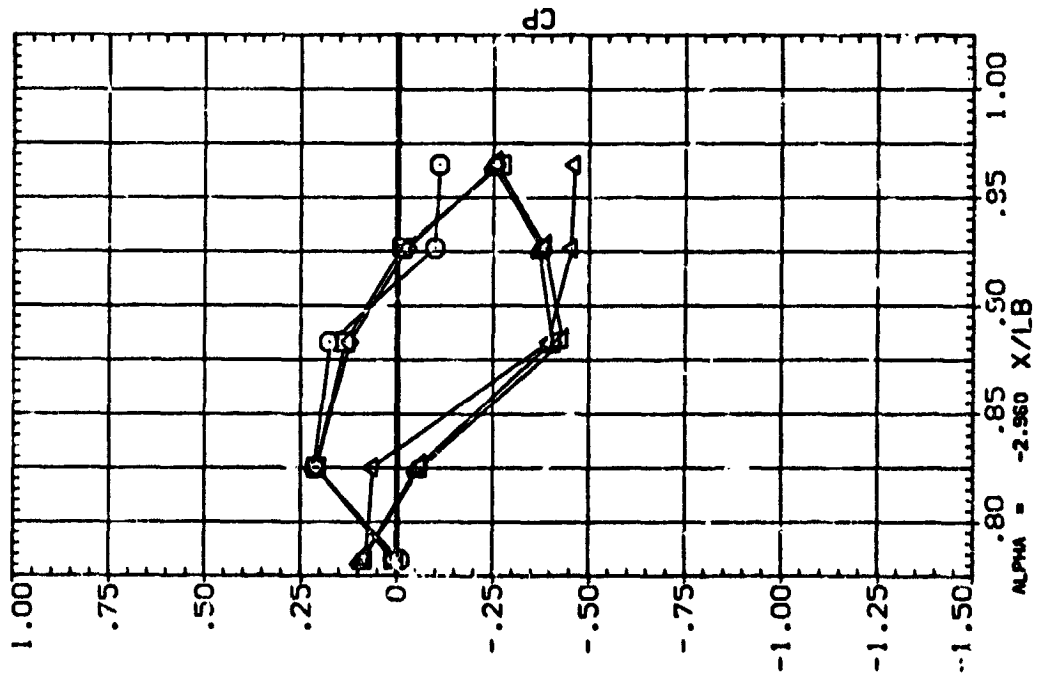
PAGE 162

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

(R0803) B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE
 (R0815) B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE
 (R0812) B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE
 (R0805) B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE
 (R0815) B26C9015M7F8N116E26V8R5X9 RIGHT FUSELAGE
 (R0812) B26C9015M7F8N116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R0803)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0815)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0812)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0805)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0815)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE
(R0812)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

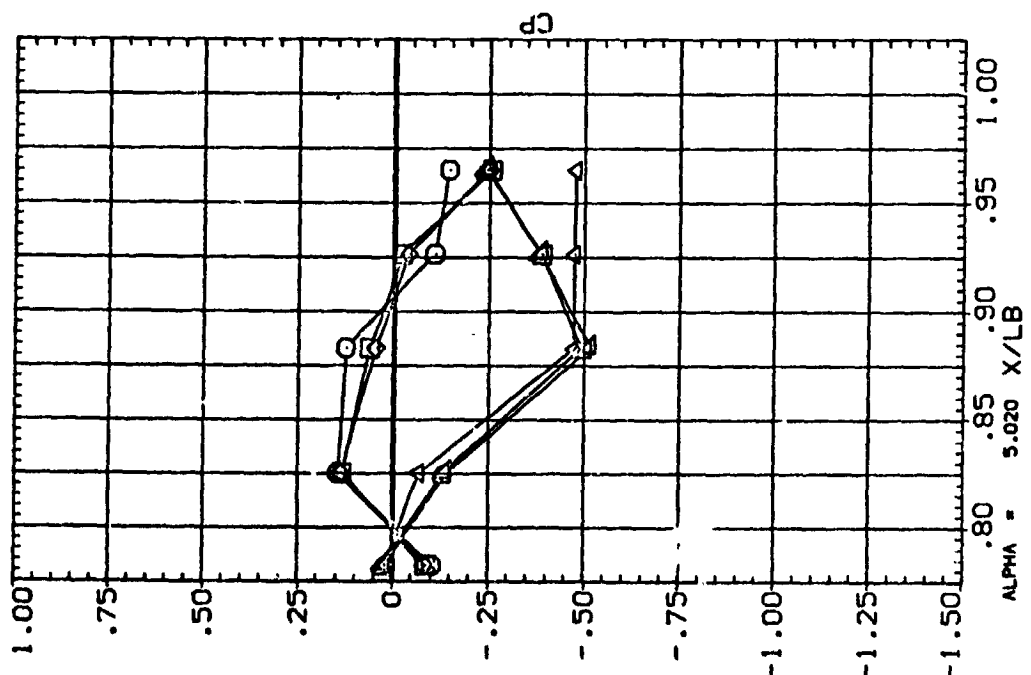
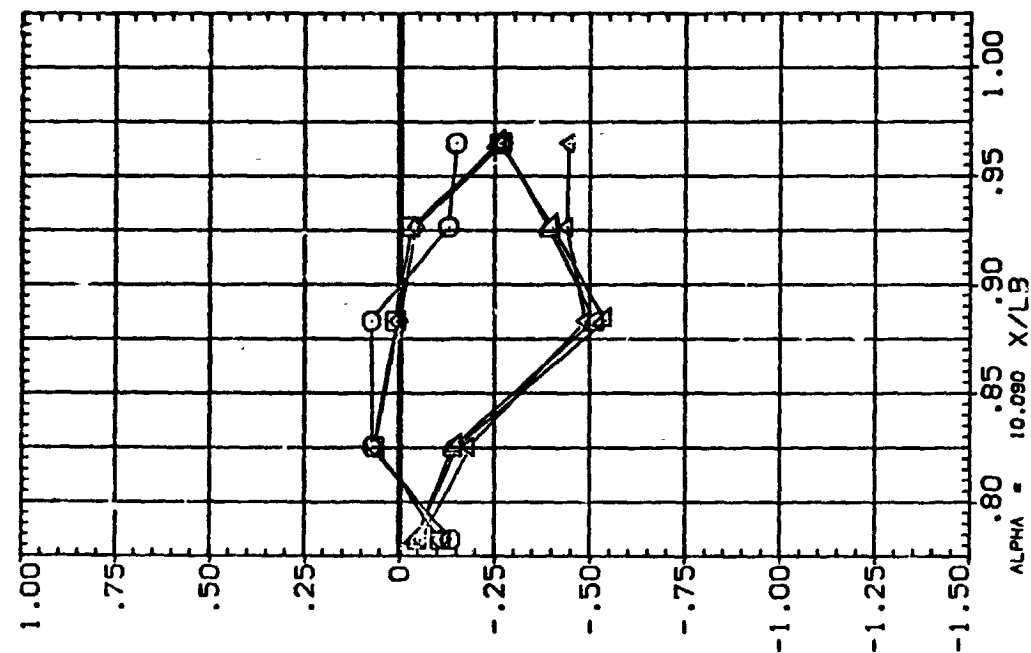


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10$

$\beta = -10.060$ $\phi = 165.000$

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R02B03)		B26C9G15W7F8V116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R02B15)		B26C9G15W7F8V116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R02B12)		B26C9G15W7F8V116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R02B05)		B26C9G15W7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	.000	.000
(R02A15)		B26C9G15W7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-7.500	.000
(R02A12)		B26C9G15W7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-15.000	.000

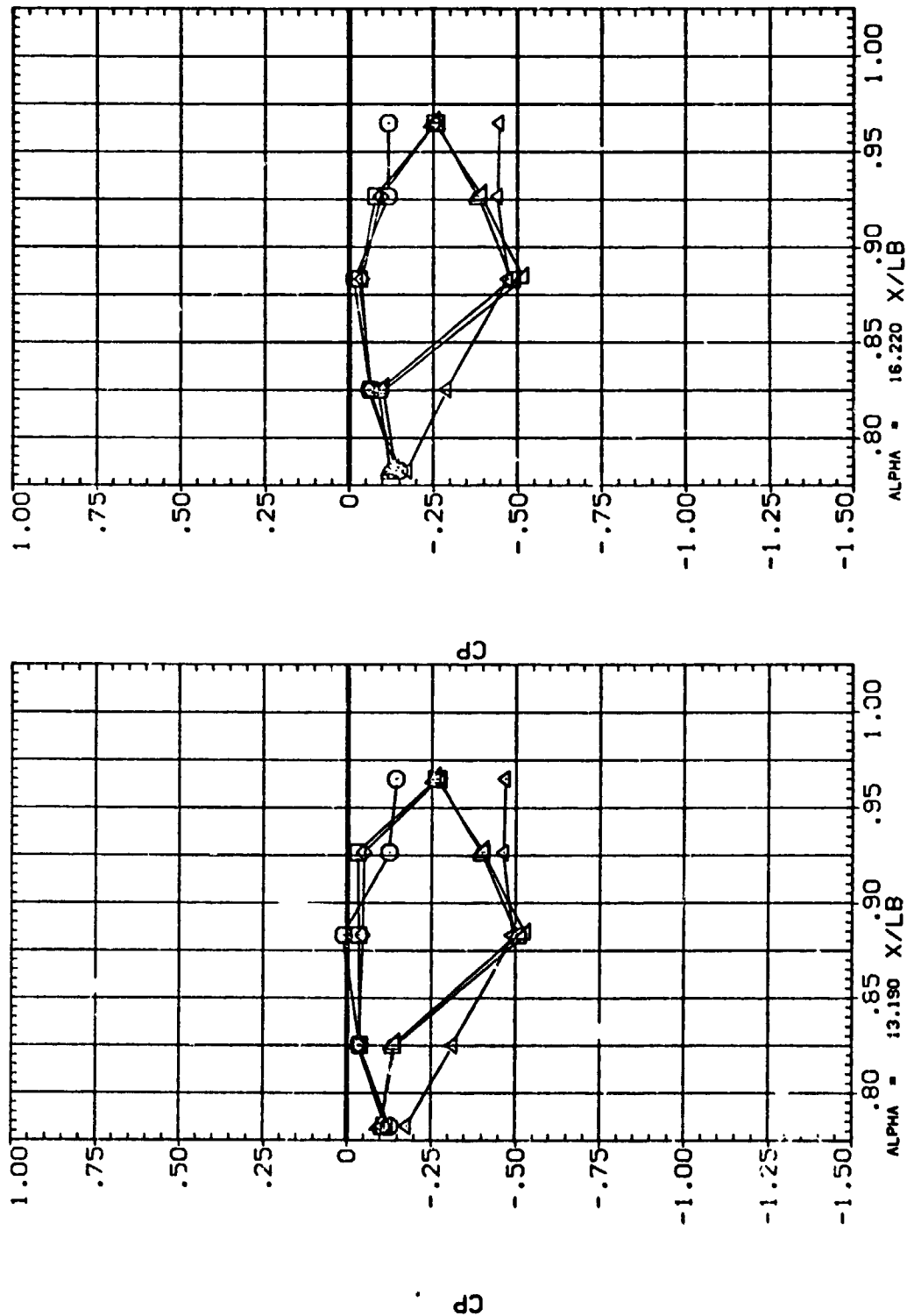


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000

(RDCB04) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RDCB16) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RDCB13) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RDCB16) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (RDCB13) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

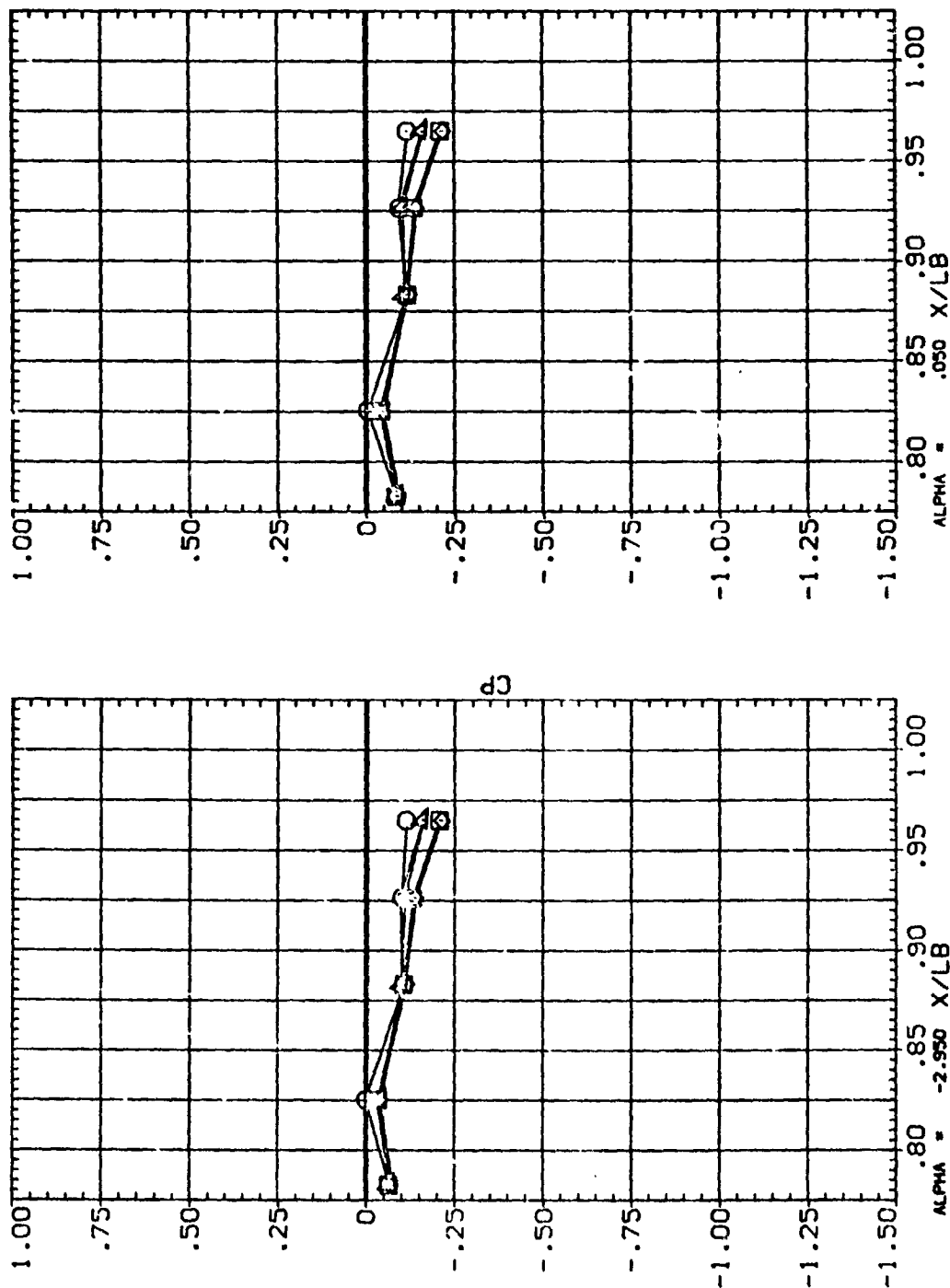


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 90.000

DATA SET SYM-BOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G15M7F8V116E26V8P5X9 LEFT FUSELAGE
 (P. 2816) B26C9G15M7F8V116E26V8P5X9 LEFT FUSELAGE
 (R. 2813) B26C9G15M7F8V116E26V8P5X9 LEFT FUSELAGE
 (R00A16) B26C9G15M7F8V116E26V8P5X9 RIGHT FUSELAGE
 (R00A13) B26C9G15M7F8V116E26V8P5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

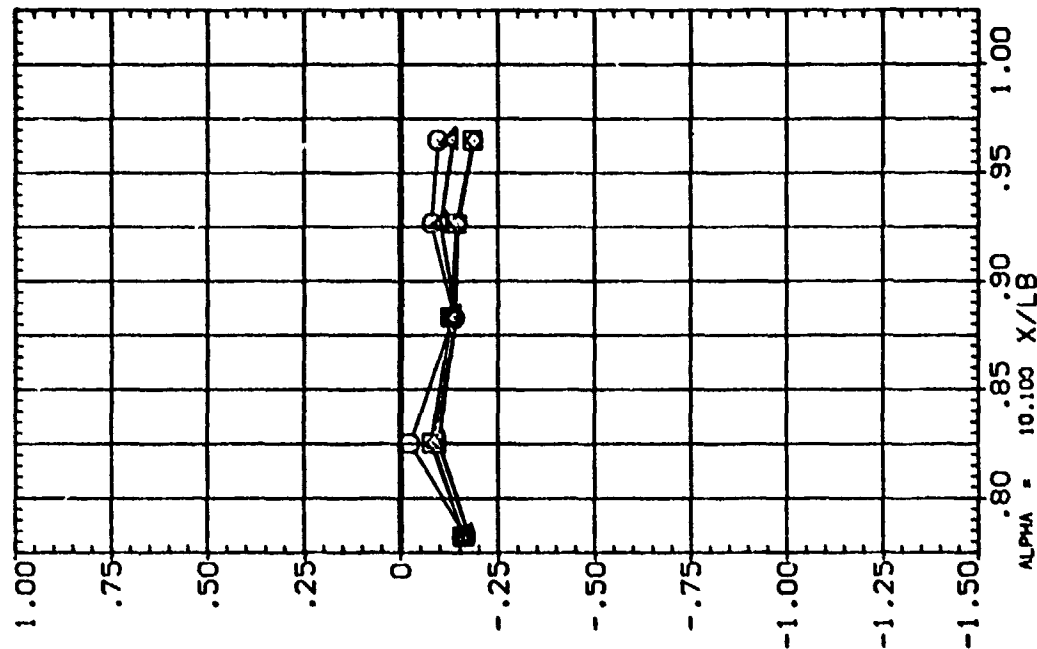
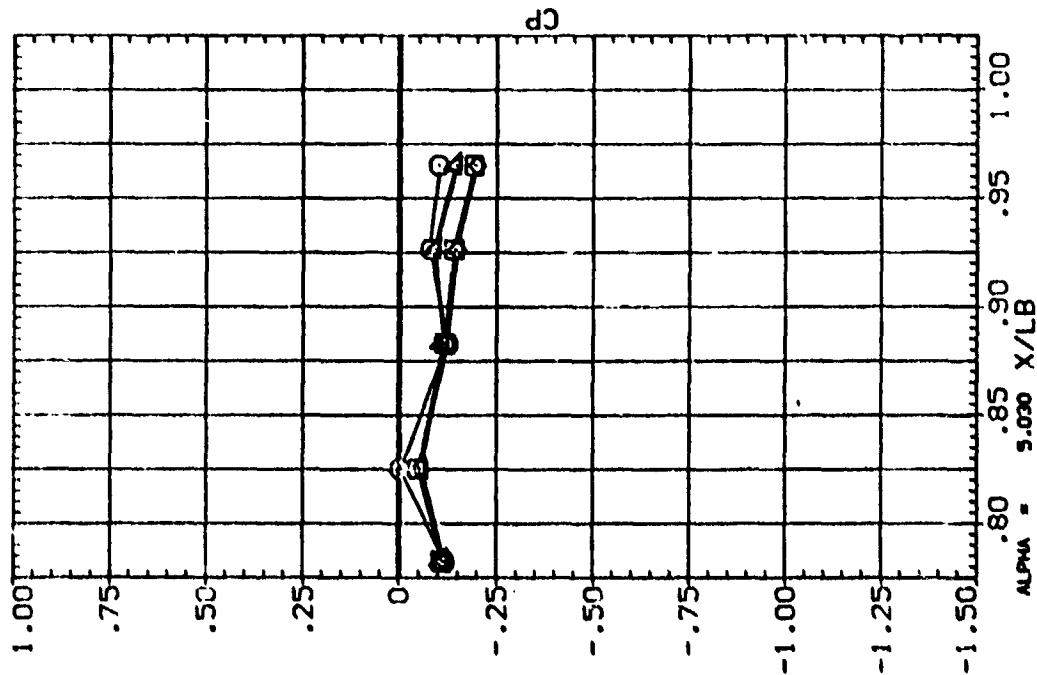


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 90.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00804)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R00816)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R00813)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R00A16)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE	.000	-7.500	.000
(R00A13)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE	.000	-15.000	.000

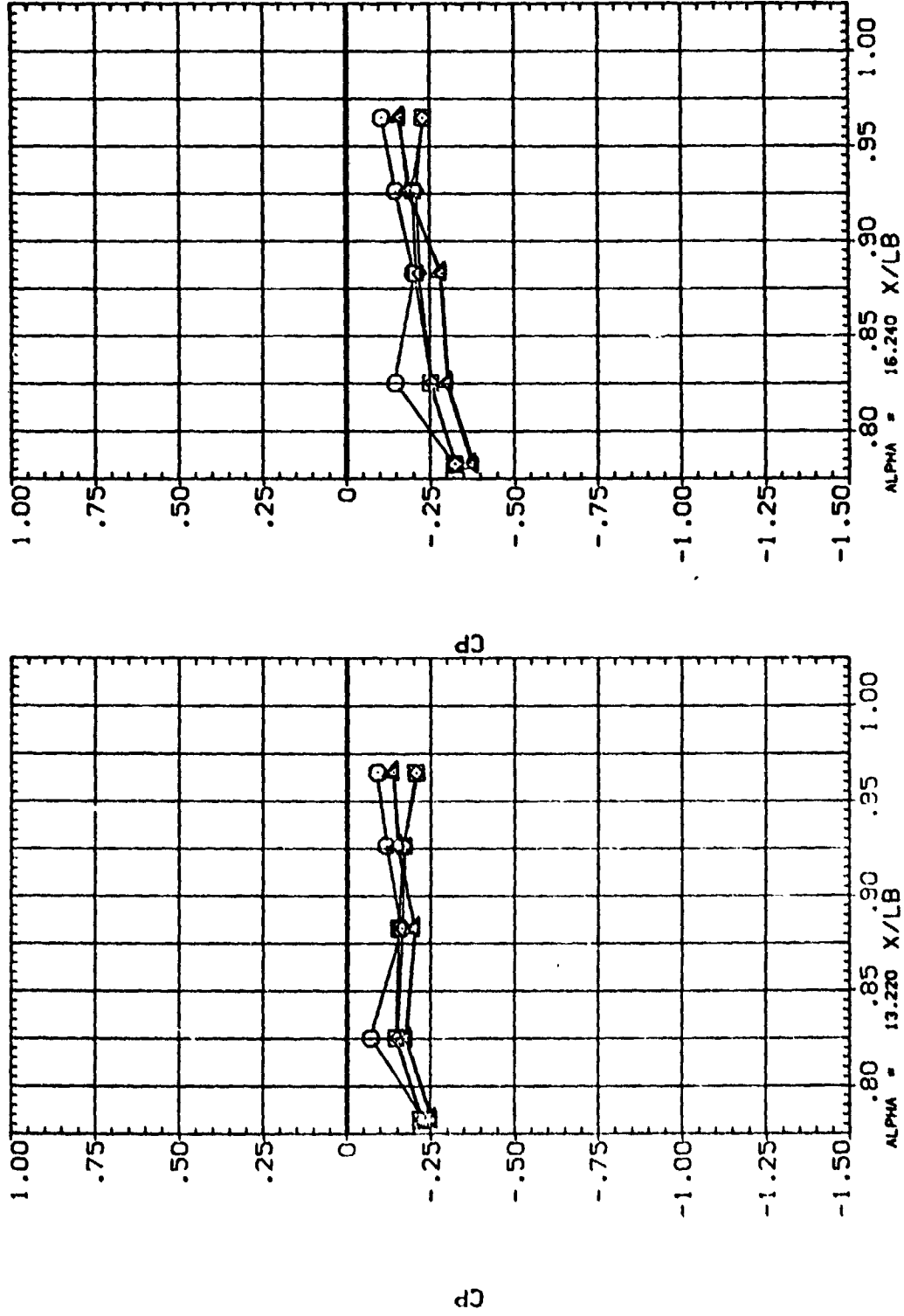


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00904)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00816)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00813)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00A16)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE
(R00A13)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

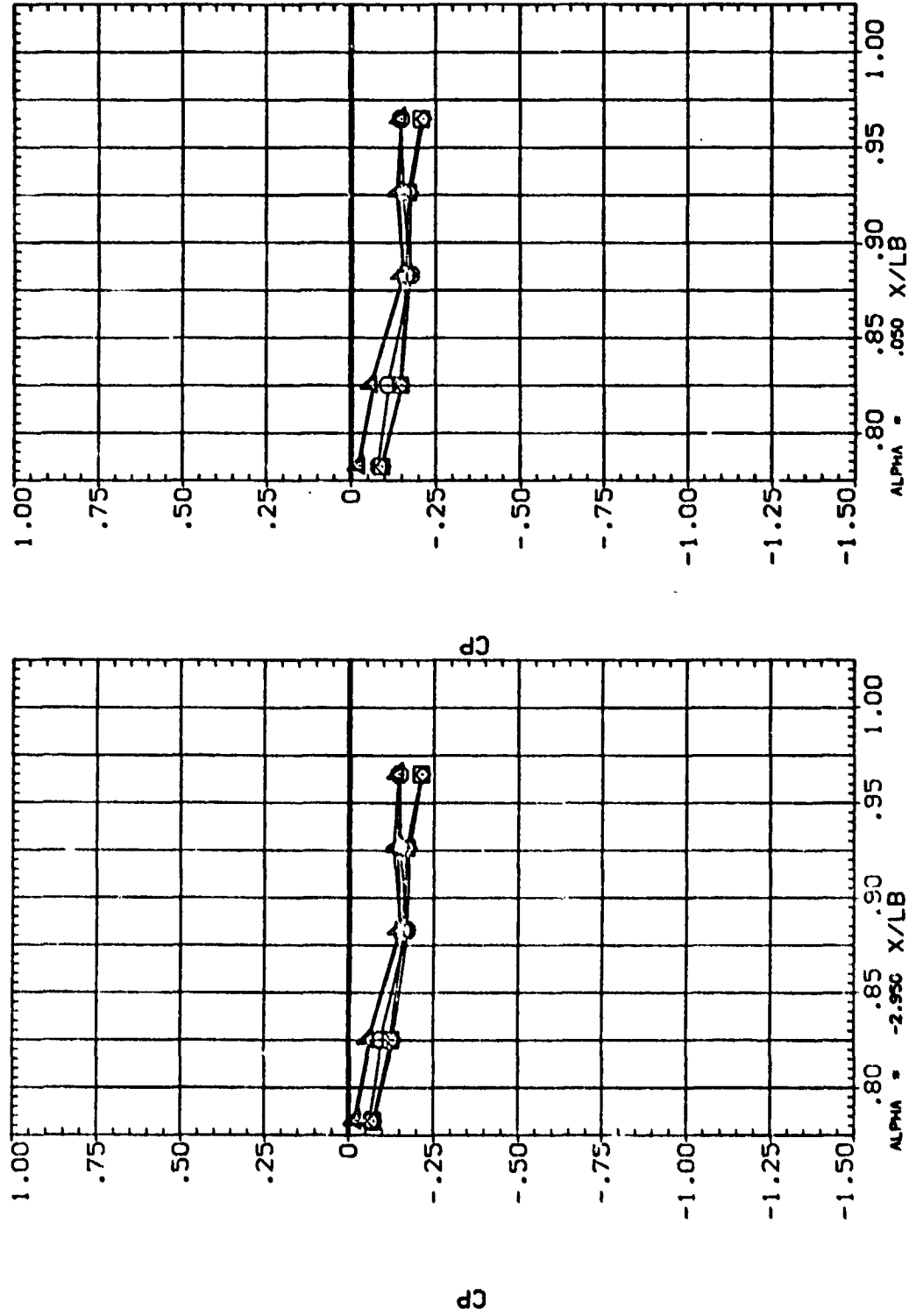


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 105.000

DATA SET SYMBOL

(R00804) B26C931547F8W116E26V8R3X9 LEFT FUSELAGE
 (R00816) B26C931547F8W116E26V8R3X9 LEFT FUSELAGE
 (R00812) B26C931547F8W116E26V8R3X9 LEFT FUSELAGE
 (R00A16) B26C931547F8W116E26V8R3X9 RIGHT FUSELAGE
 (R00A13) B26C931547F8W116E26V8R3X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

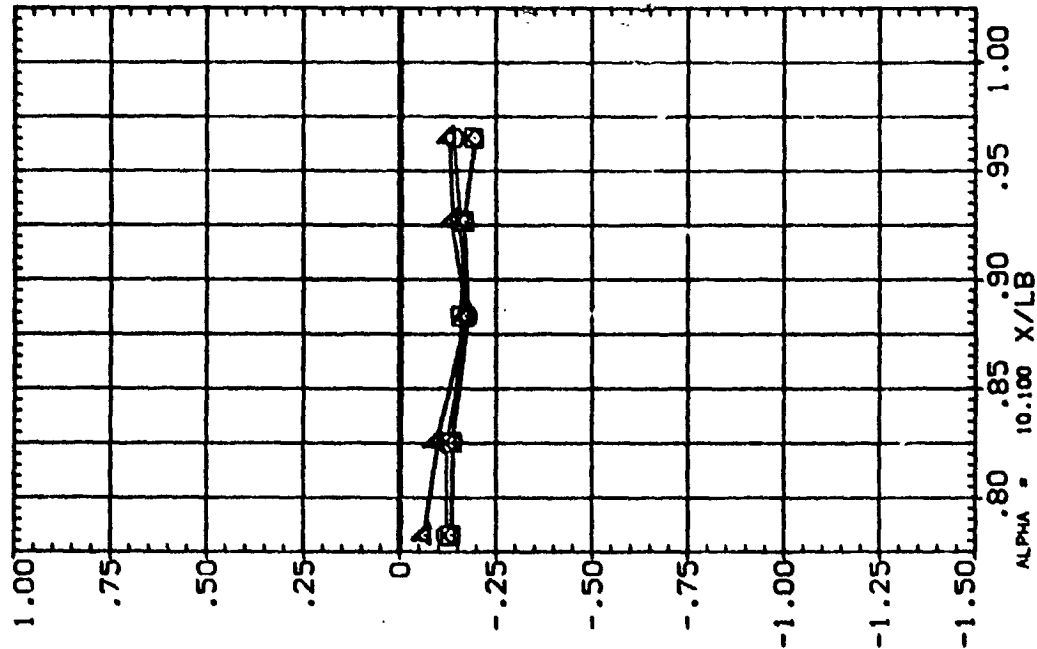
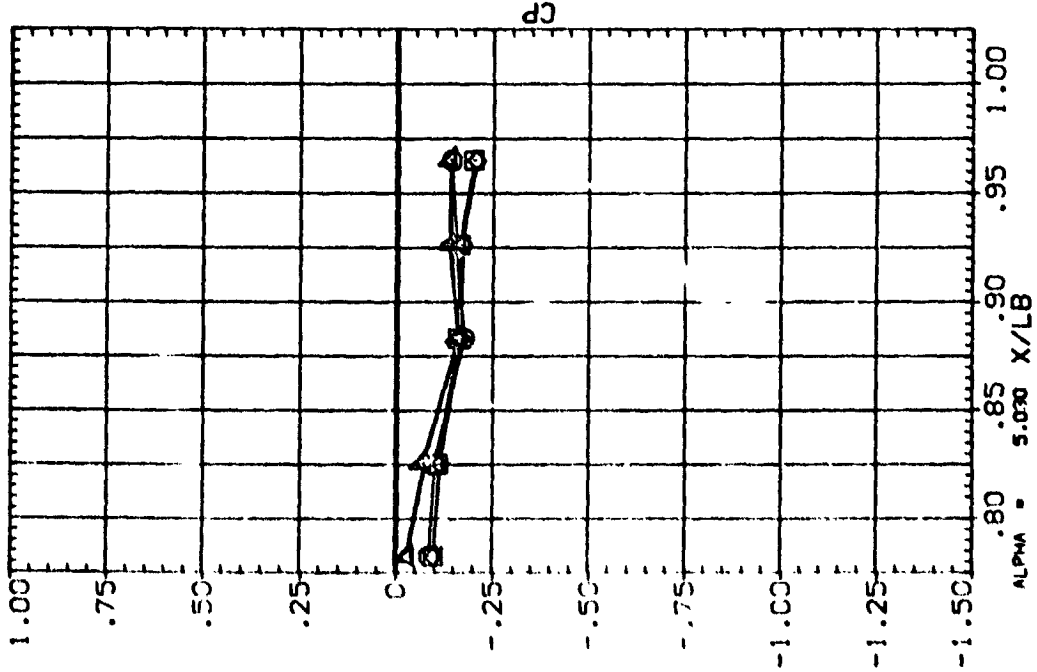
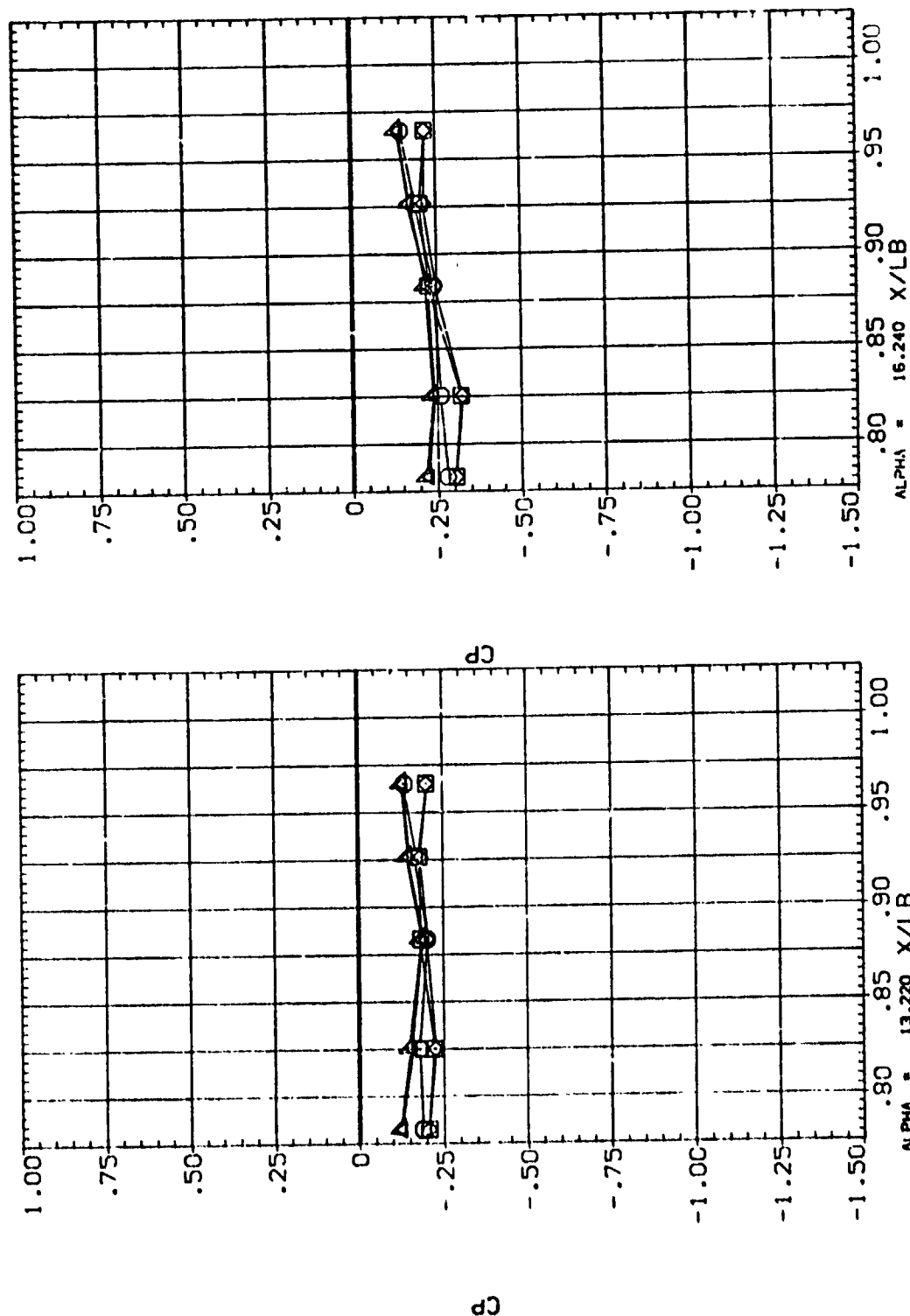


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 105.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R0904)	B26C9315M7F8W11E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R0916)	B26C9315M7F8W11E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R0913)	B26C9315M7F8W11E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R0916)	B26C9315M7F8W11E26V8R5X9 RIGHT FUSELAGE	.000	7.500	.000
(R0913)	B26C9315M7F8W11E26V8R5X9 RIGHT FUSELAGE	.000	15.000	.000



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00B04)	B26C5G15H7F8V116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R00B16)	B26C5G15H7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R00B13)	B26C5G15H7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R00A16)	B26C5G15H7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-7.500	.000
(R00A13)	B26C5G15H7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-15.000	.000

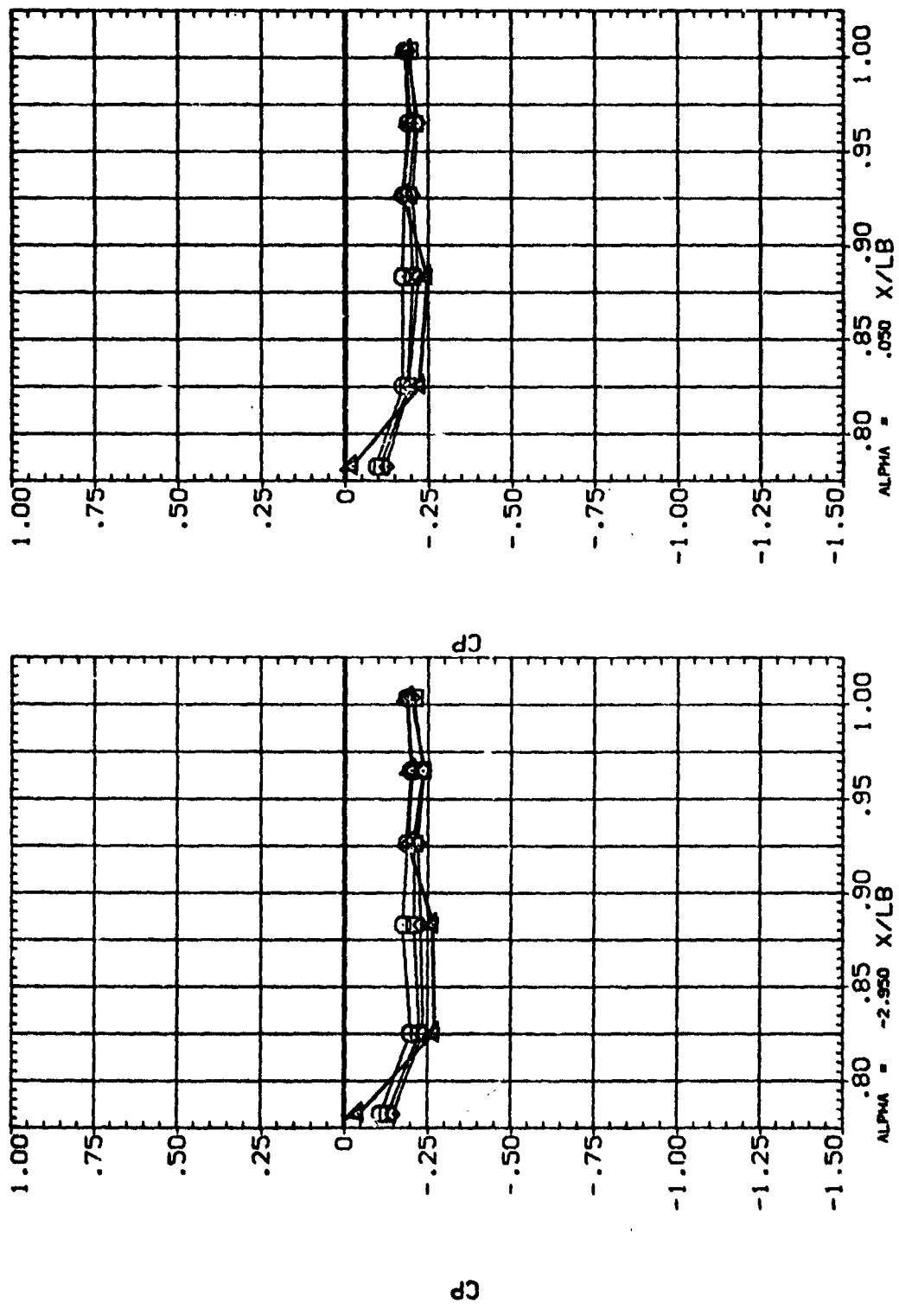


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

DATA SET SYMBOL. CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00804)	B26C5G1 547F8W116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R00815)	B26C5G1 547F8W116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R00816)	B26C5G1 547F8W116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R00A13)	B26C5G1 547F8W116E26V8R5X9 RIGHT FUSELAGE	.000	-13.000	.000

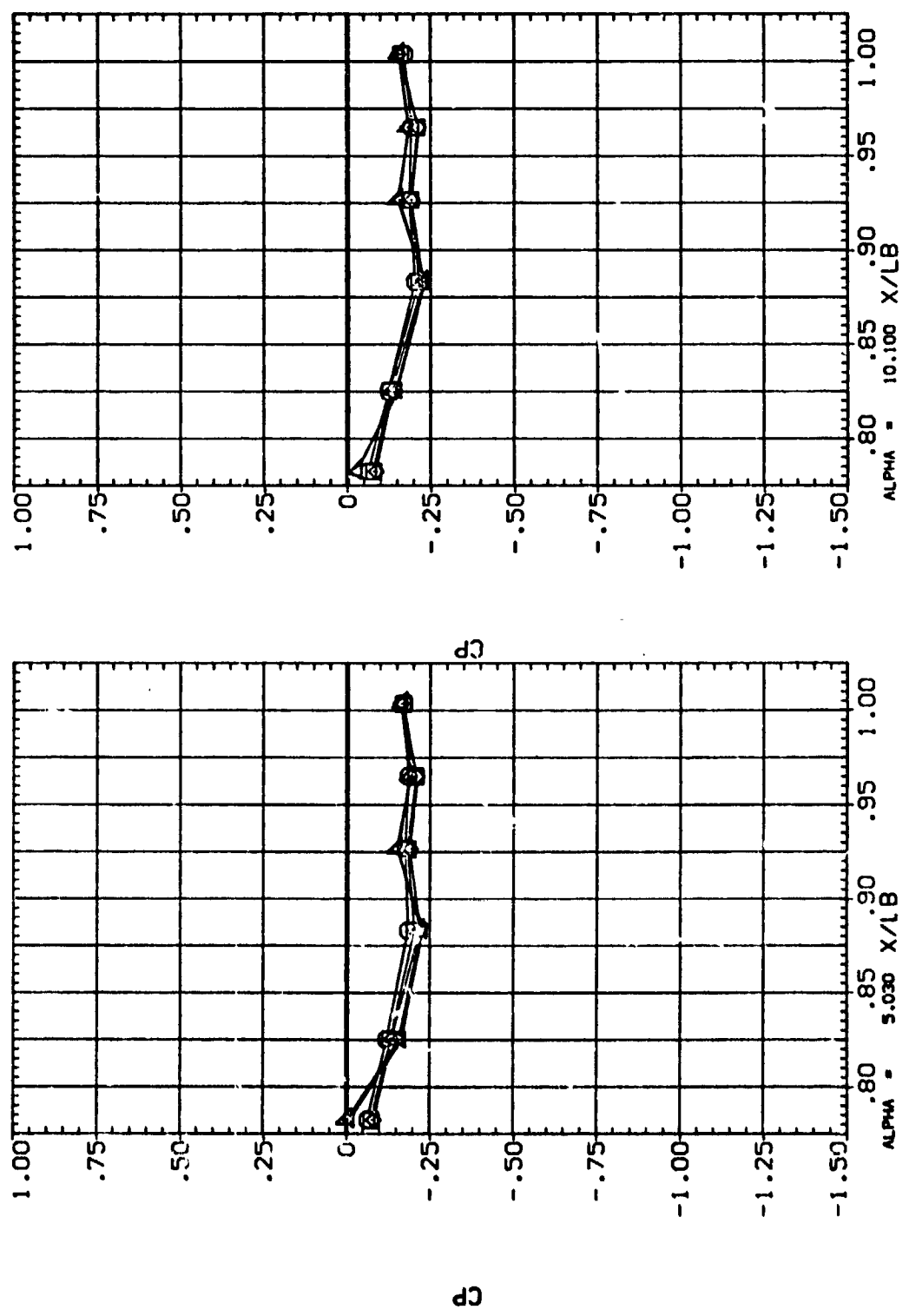


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00804)	B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE
(R00816)	B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE
(R00813)	B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE
(R00A16)	B26C9G15M7F8W116E26V8RSX9 RIGHT FUSELAGE
(R00A13)	B26C9G15M7F8W116E26V8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

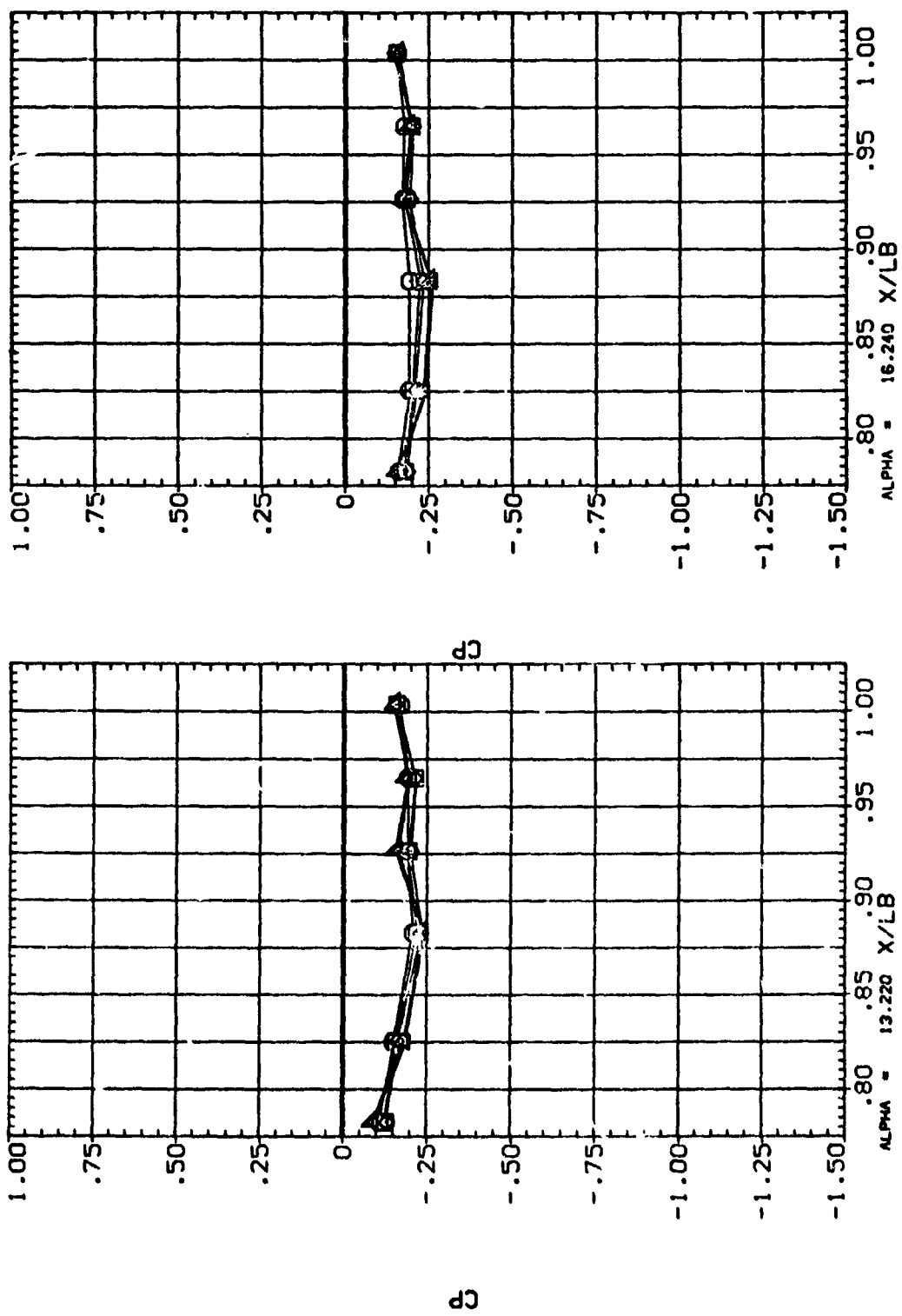


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00816) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00818) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00819) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00820) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

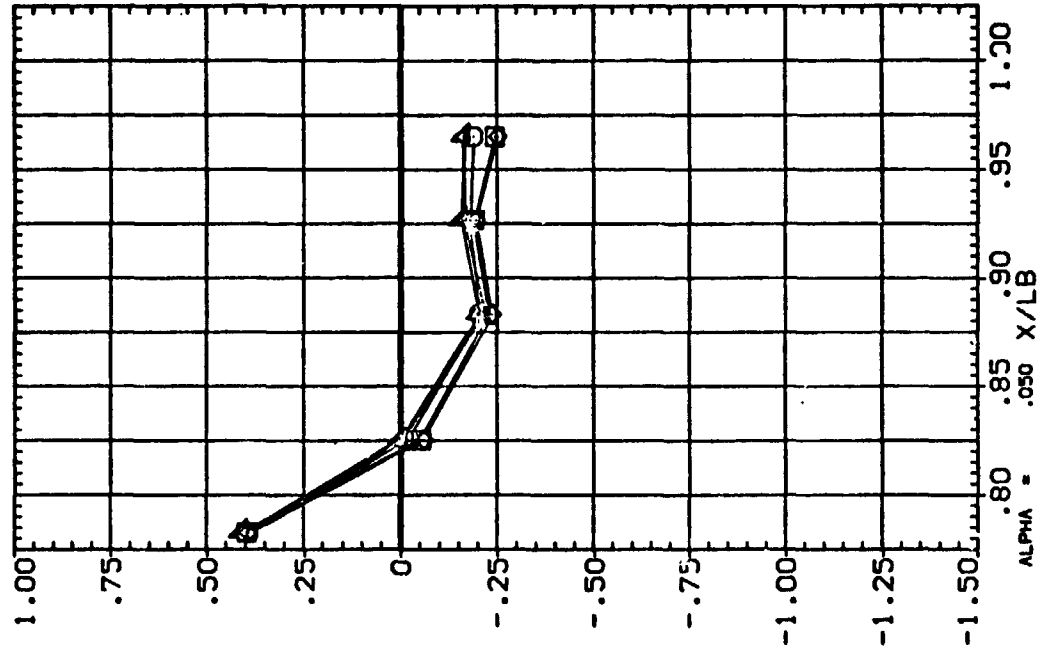
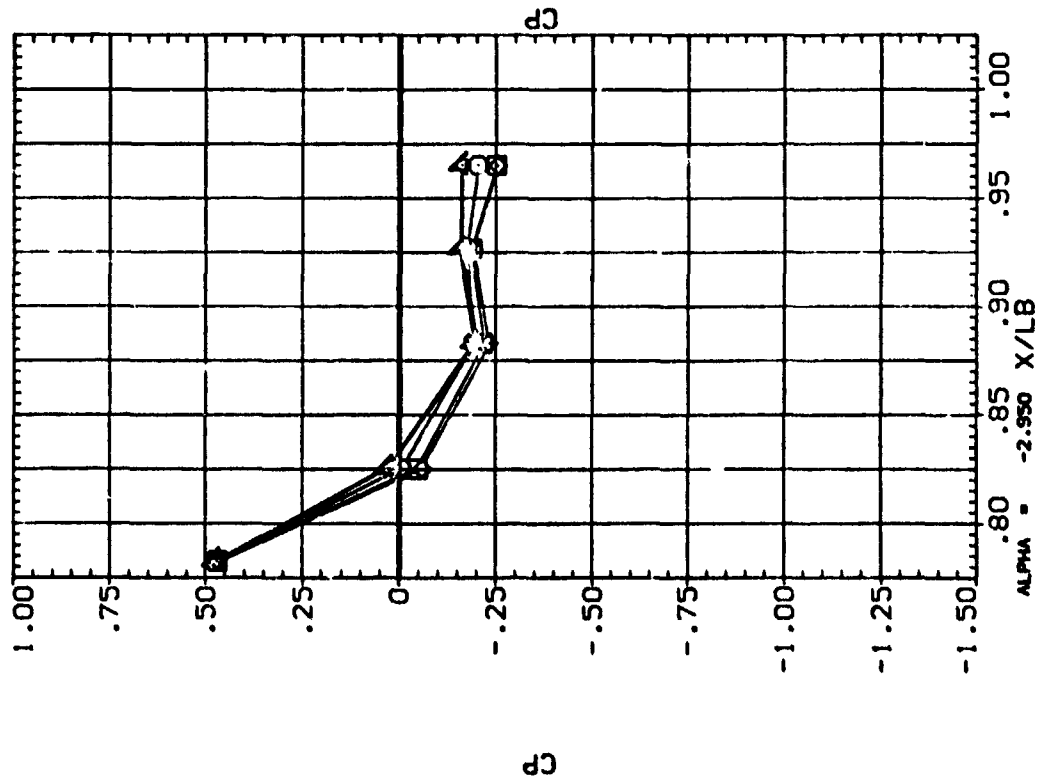


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -0.010 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G1547F8W116E26V8R5X9 LEFT FUSELAGE
 (R00816) B26C9G1547F8W116E26V8R5X9 LEFT FUSELAGE
 (R00813) B26C9G1547F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A16) B26C9G1547F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A13) B26C9G1547F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

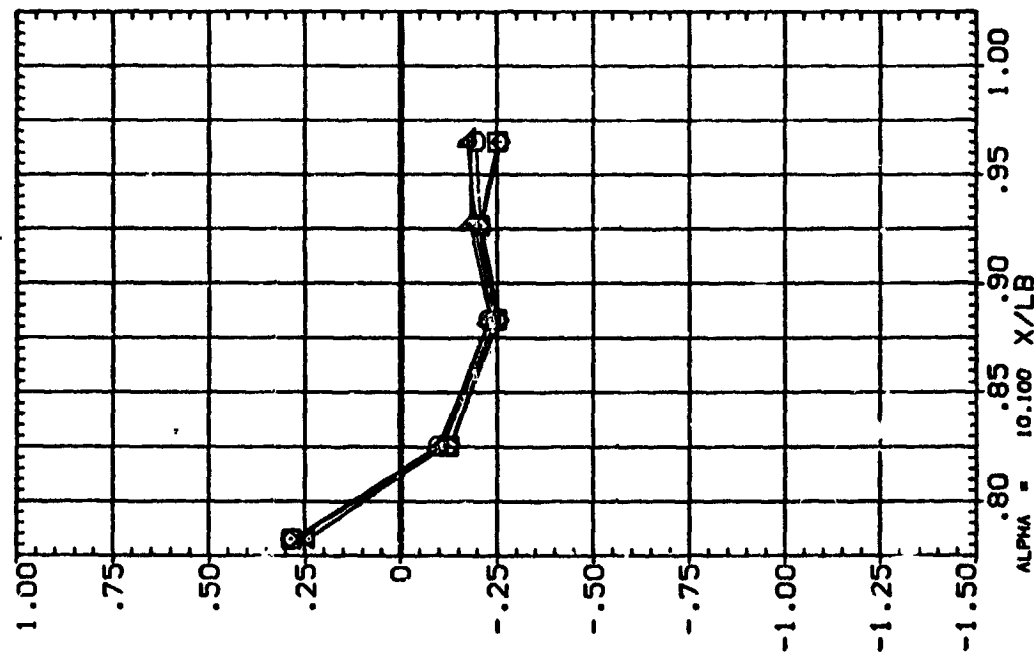
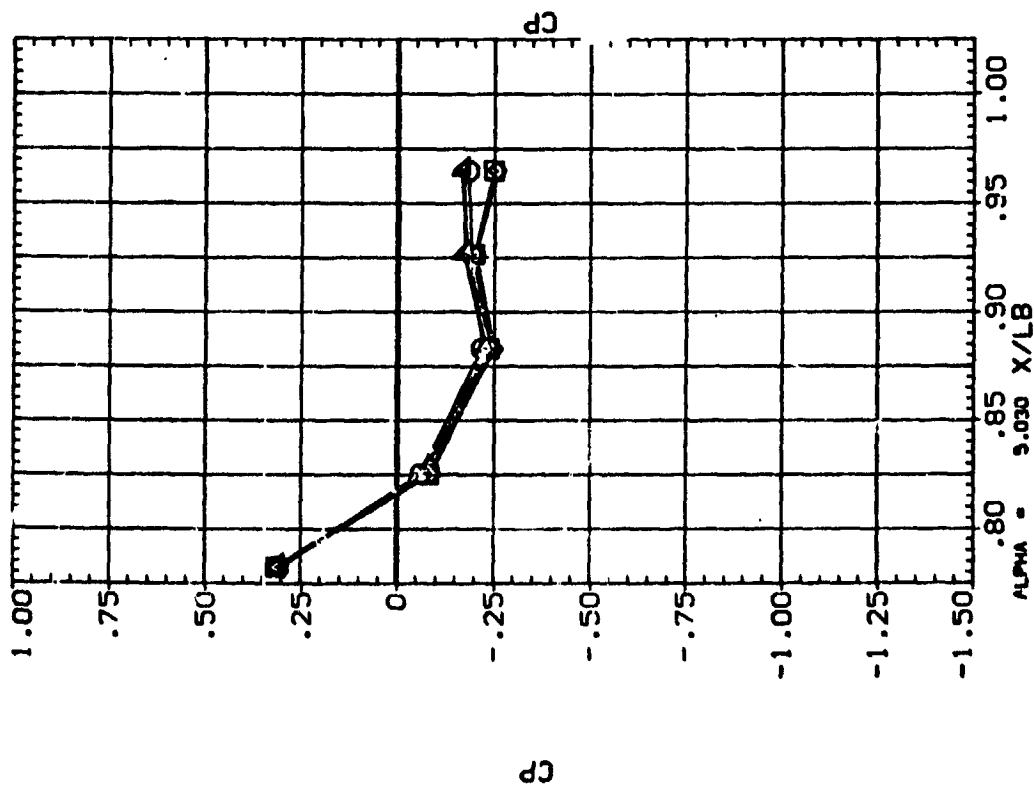


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -0.010 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00804)	B26C9G15H7F8V116E26V8R5X9	LEFT FUSELAGE
(R00815)	B26C9G15H7F8V116E26V8R5X9	LEFT FUSELAGE
(R00813)	B26C9G15H7F8V116E26V8R5X9	LEFT FUSELAGE
(R00A16)	B26C9G15H7F8V116E26V8R5X9	RIGHT FUSELAGE
(R00A13)	B26C9G15H7F8V116E26V8R5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

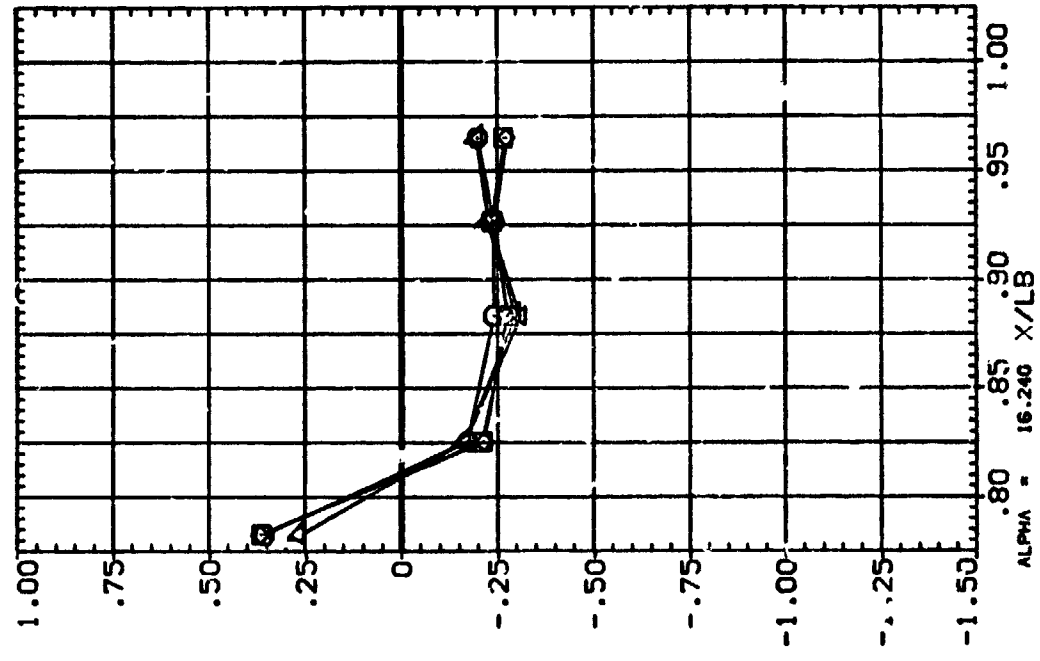
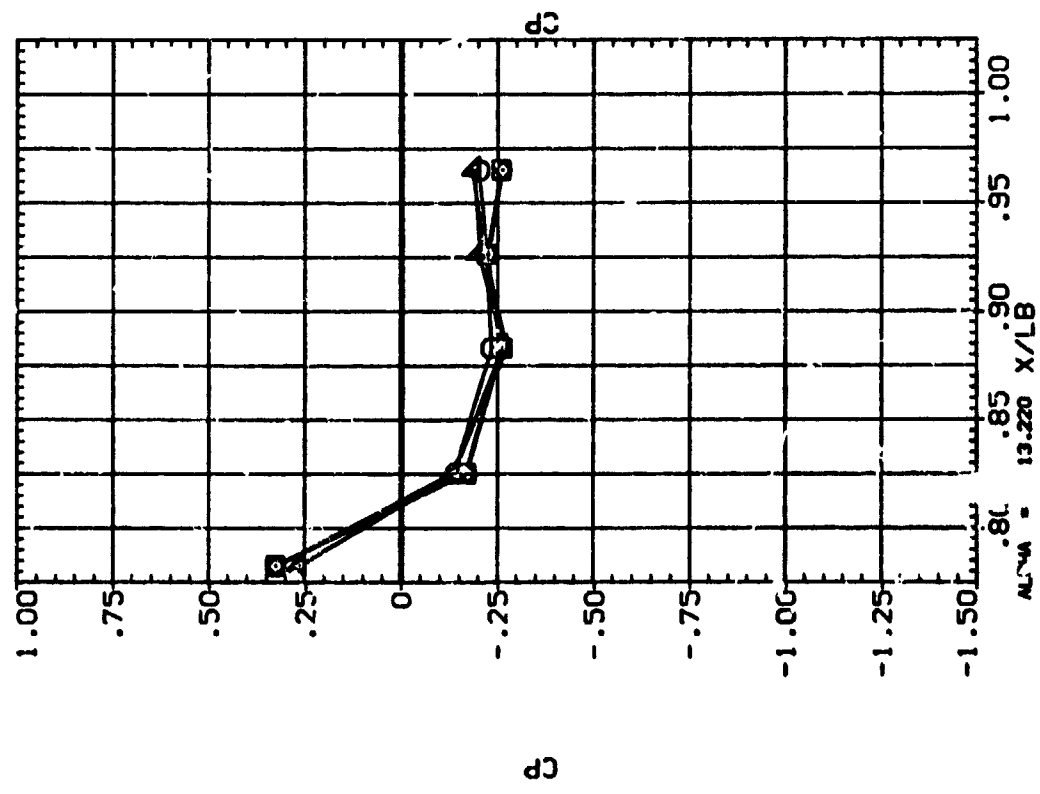


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00804) B26C9G1SH7F8V116E2SV8RSX9 LEFT FUSELAGE
 (R00816) B26C9G1SH7F8V116E2SV8RSX9 LEFT FUSELAGE
 (R00813) B26C9G1SH7F8V116E2SV8RSX9 LEFT FUSELAGE
 (R00A16) B26C9G1SH7F8V116E2SV8RSX9 RIGHT FUSELAGE
 (R00A13) B26C9G1SH7F8V116E2SV8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

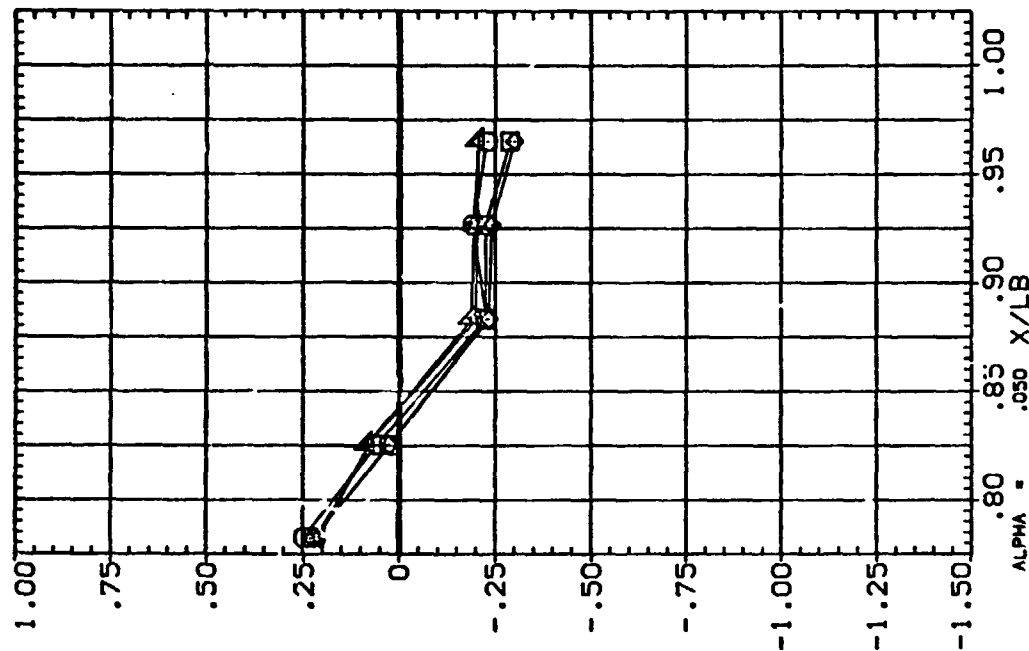
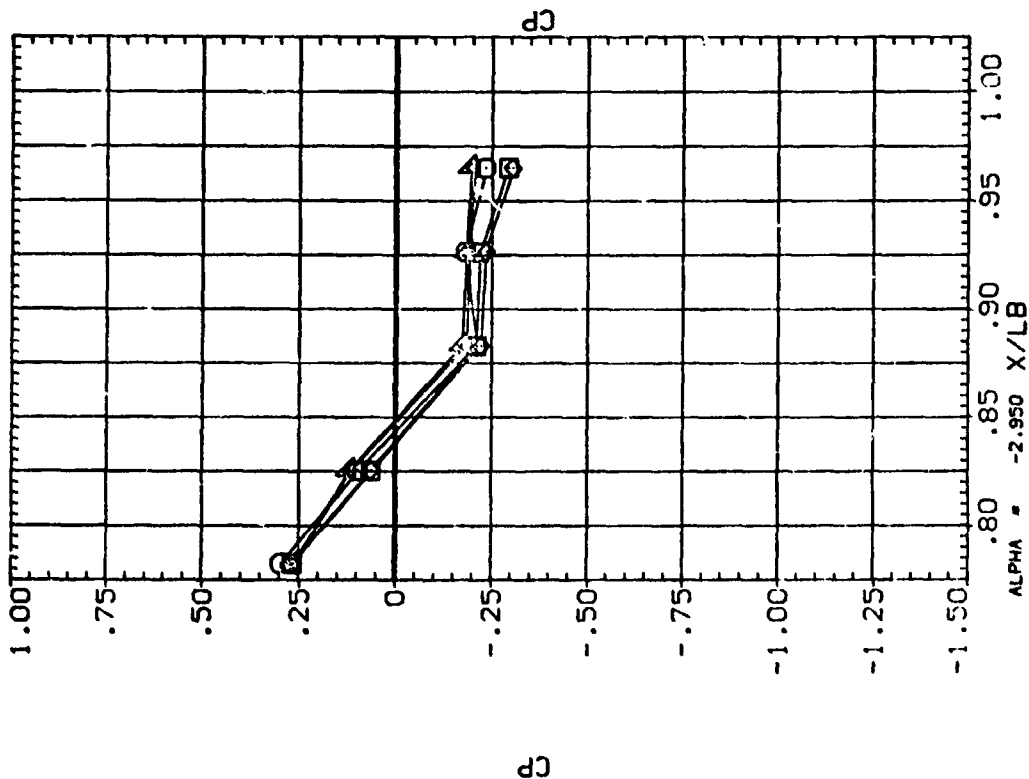


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00816) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00812) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A16) B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A13) B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

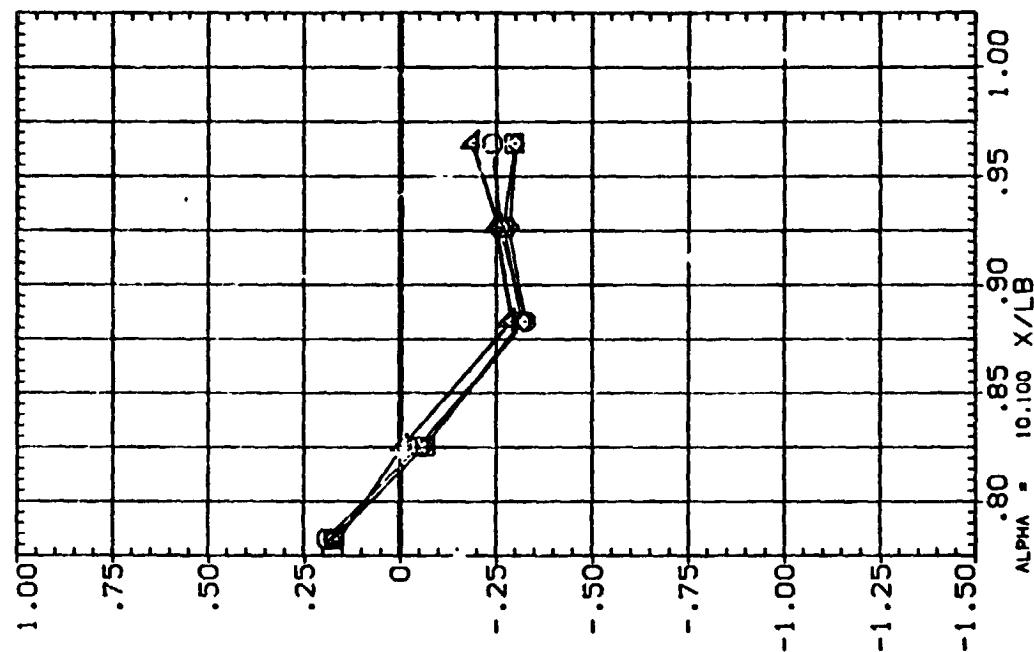
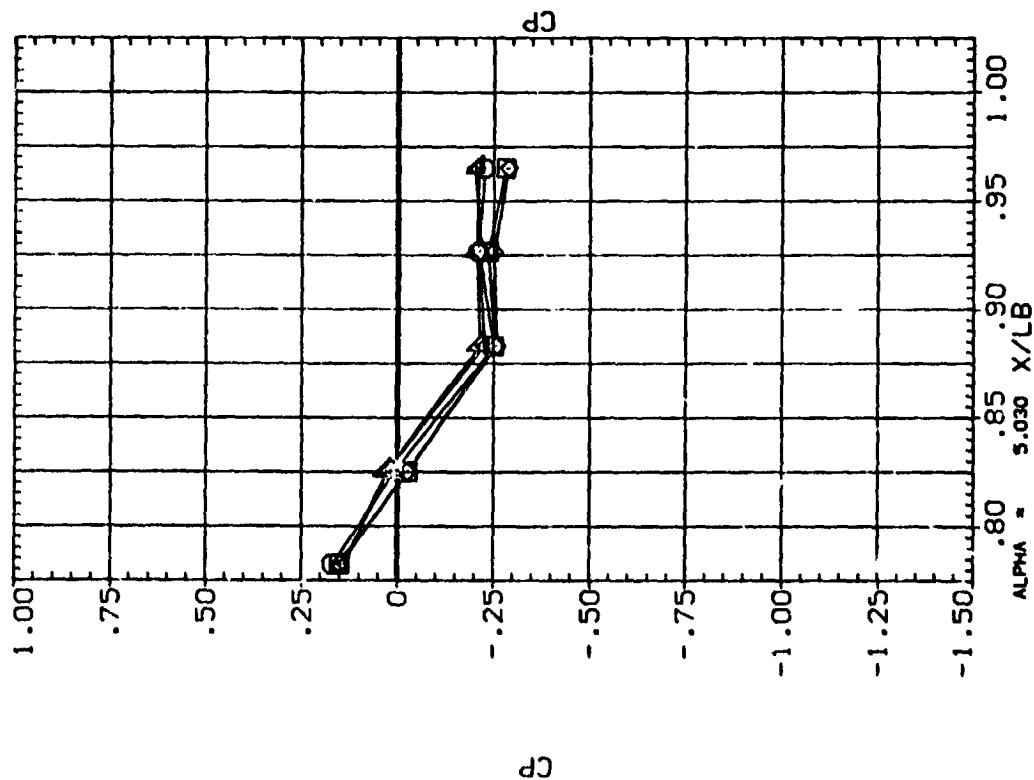


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G1SM7F8V116E26V8RSX9 LEFT FUSELAGE
 (R00816) B26C9G1SM7F8V116E26V8RSX9 LEFT FUSELAGE
 (R00813) B26C9G1SM7F8V116E26V8RSX9 LEFT FUSELAGE
 (R00816) B26C9G1SM7F8V116E26V8RSX9 RIGHT FUSELAGE
 (R00813) B26C9G1SM7F8V116E26V8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

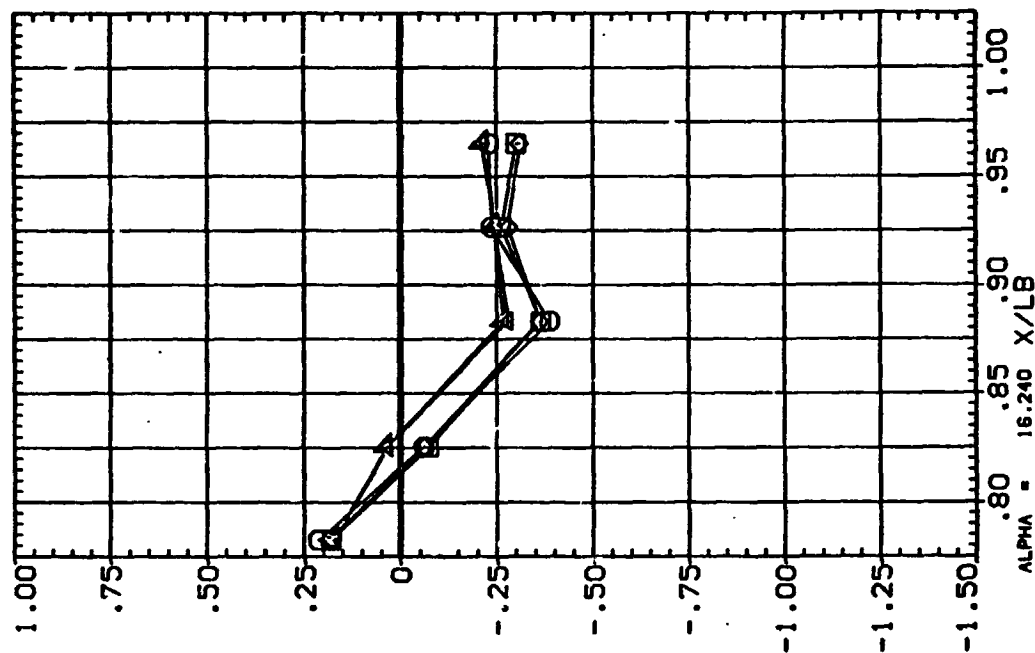
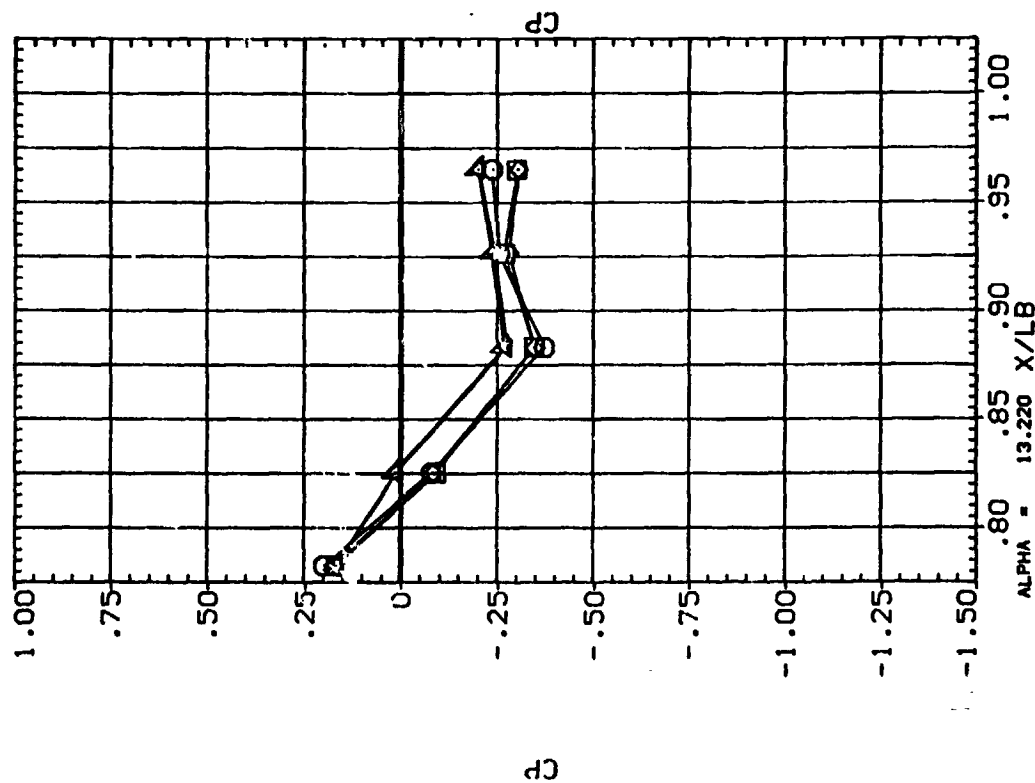


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTOR

RC2804	B26C9G1SM7F8W116E26V8P5X9	LEFT FUSELAGE
RC2805	B26C9G1SM7F8W116E26V8P5X9	LEFT FUSELAGE
RC2806	B26C9G1SM7F8W116E26V8P5X9	LEFT FUSELAGE
RC2807	B26C9G1SM7F8W116E26V8P5X9	LEFT FUSELAGE
RC2808	B26C9G1SM7F8W116E26V8P5X9	RIGHT FUSELAGE
RC2809	B26C9G1SM7F8W116E26V8P5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

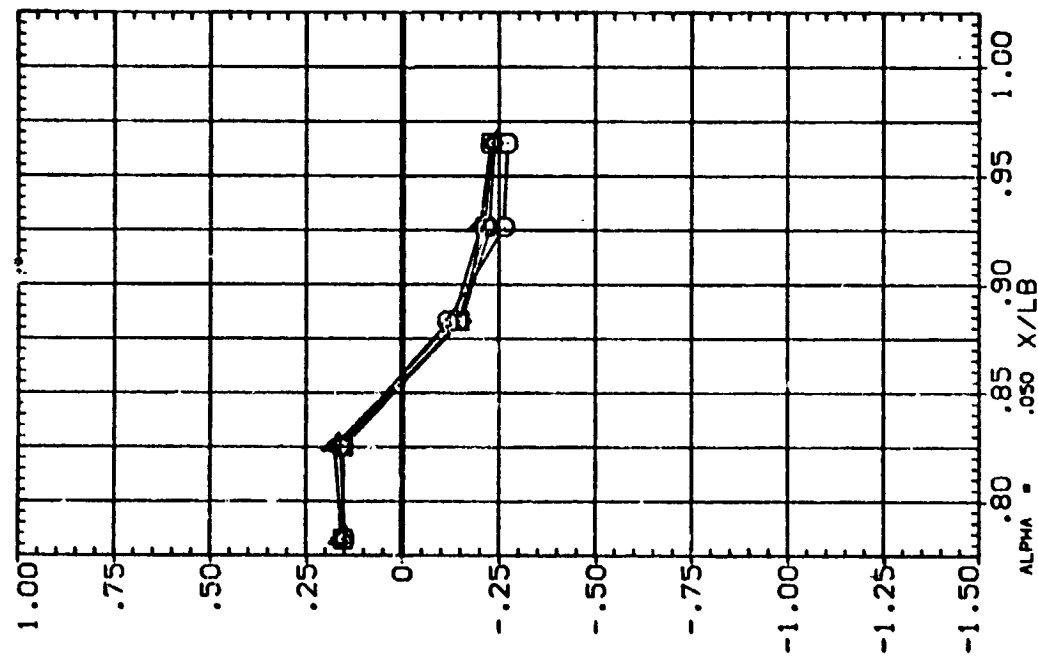
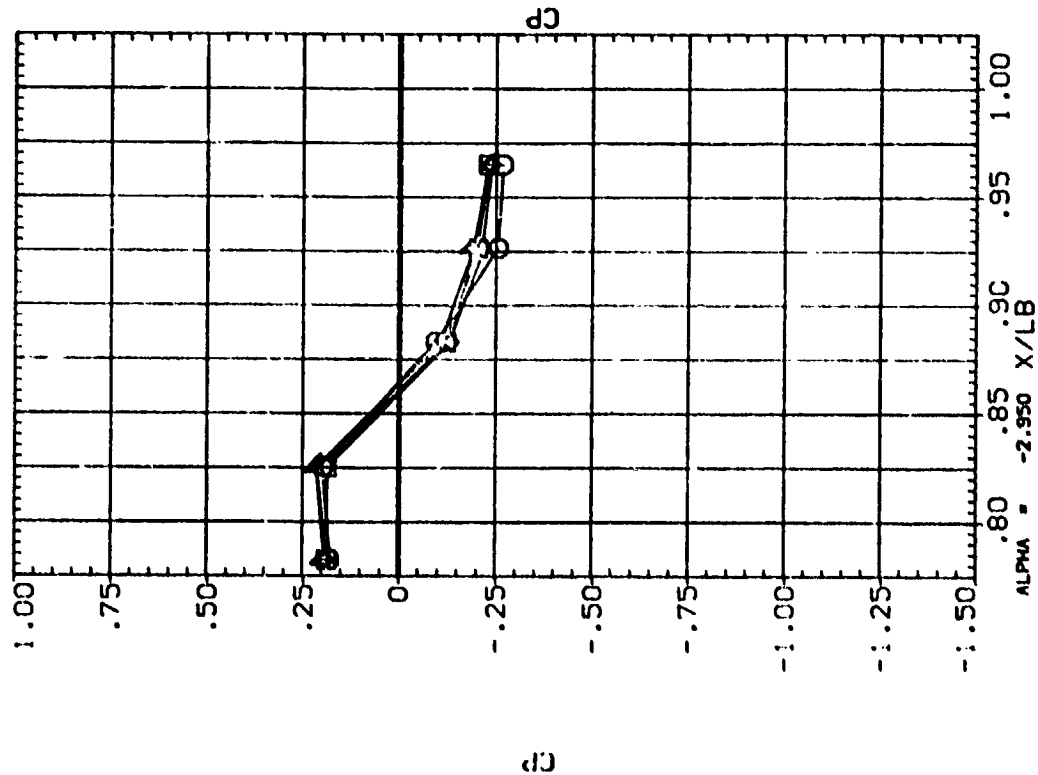


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

SE = -0.010 PHI = 165.000

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00B04)	B26C9G1SH7F8W116E26V8RSX9 LEFT FUSELAGE
(R00B16)	B26C9G1SH7F8W116E26V8RSX9 LEFT FUSELAGE
(R00B13)	B26C9G1SH7F8W116E26V8RSX9 LEFT FUSELAGE
(R00A16)	B26C9G1SH7F8W116E26V8RSX9 RIGHT FUSELAGE
(R00A13)	B26C9G1SH7F8W116E26V8RSX9 RIGHT FUSELAGE

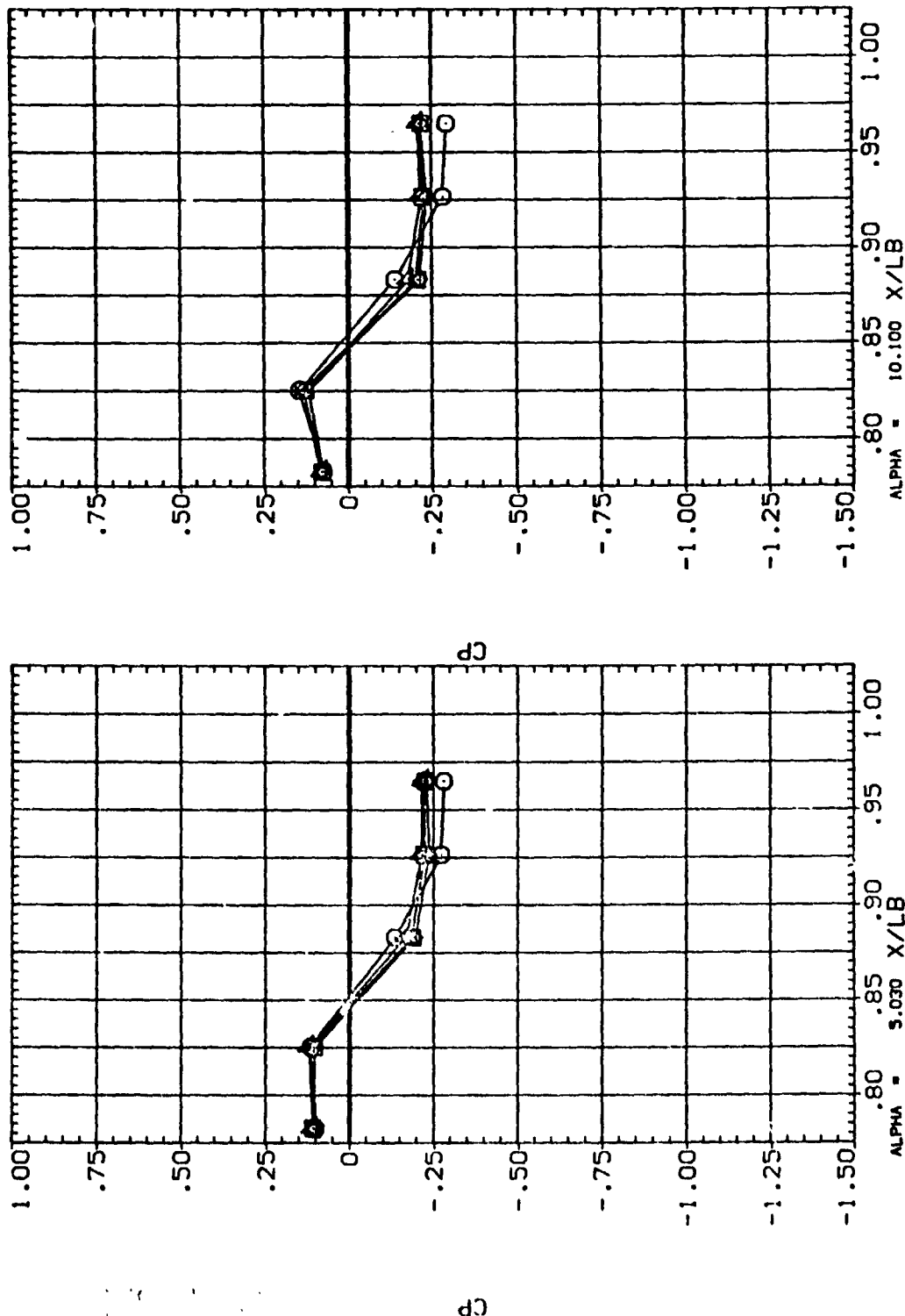


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00804)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R00816)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R00813)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R00A16)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-7.500	.000
(R00A13)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-15.000	.000

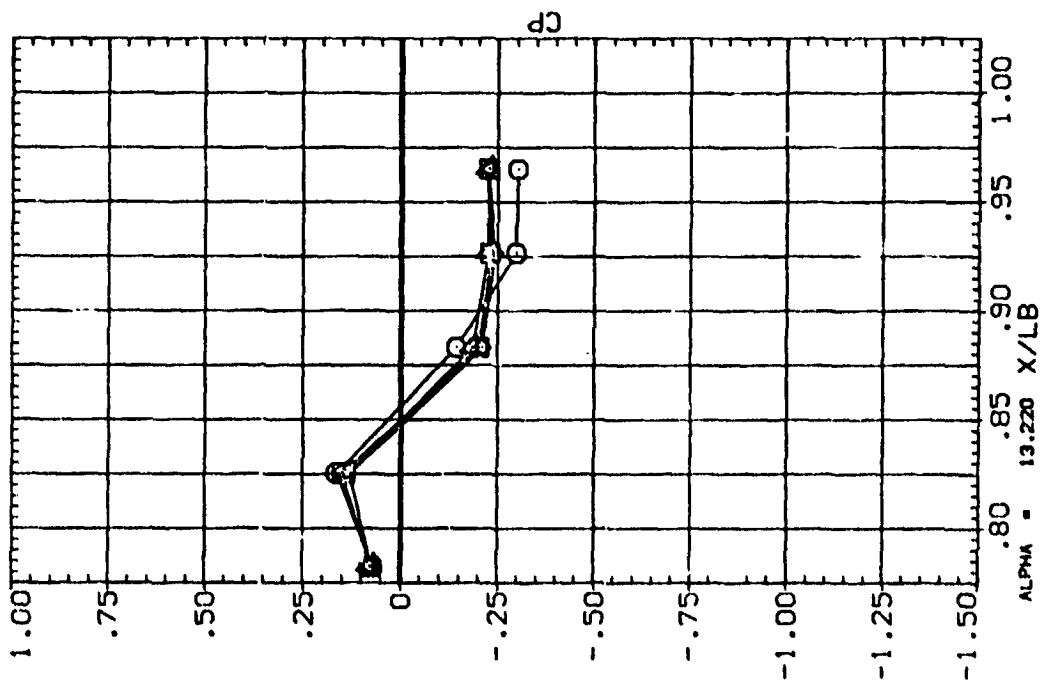
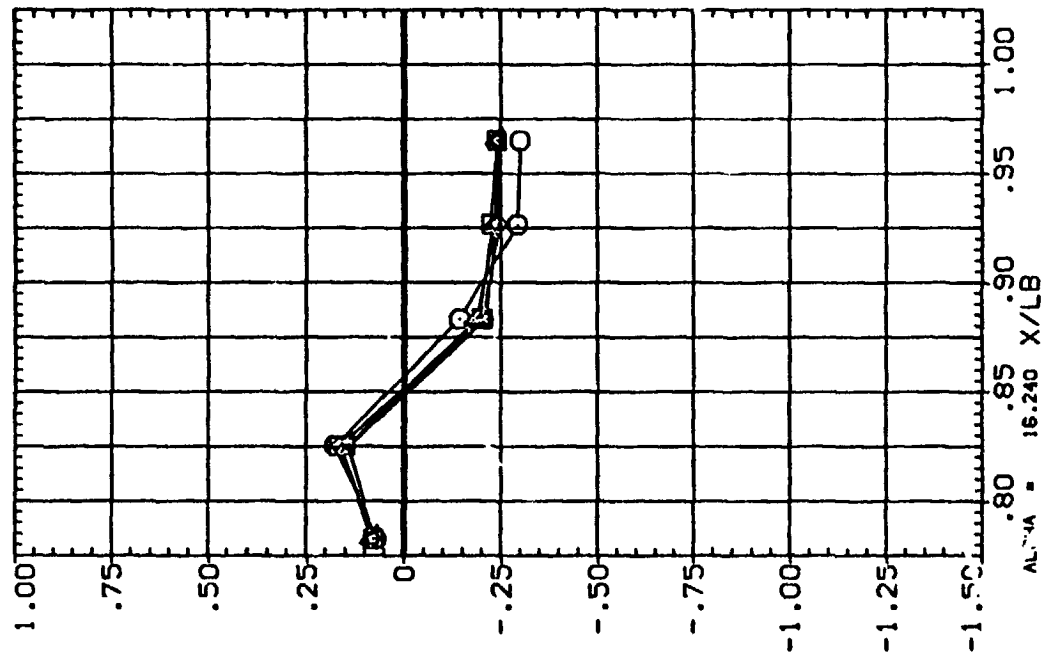


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 165.000

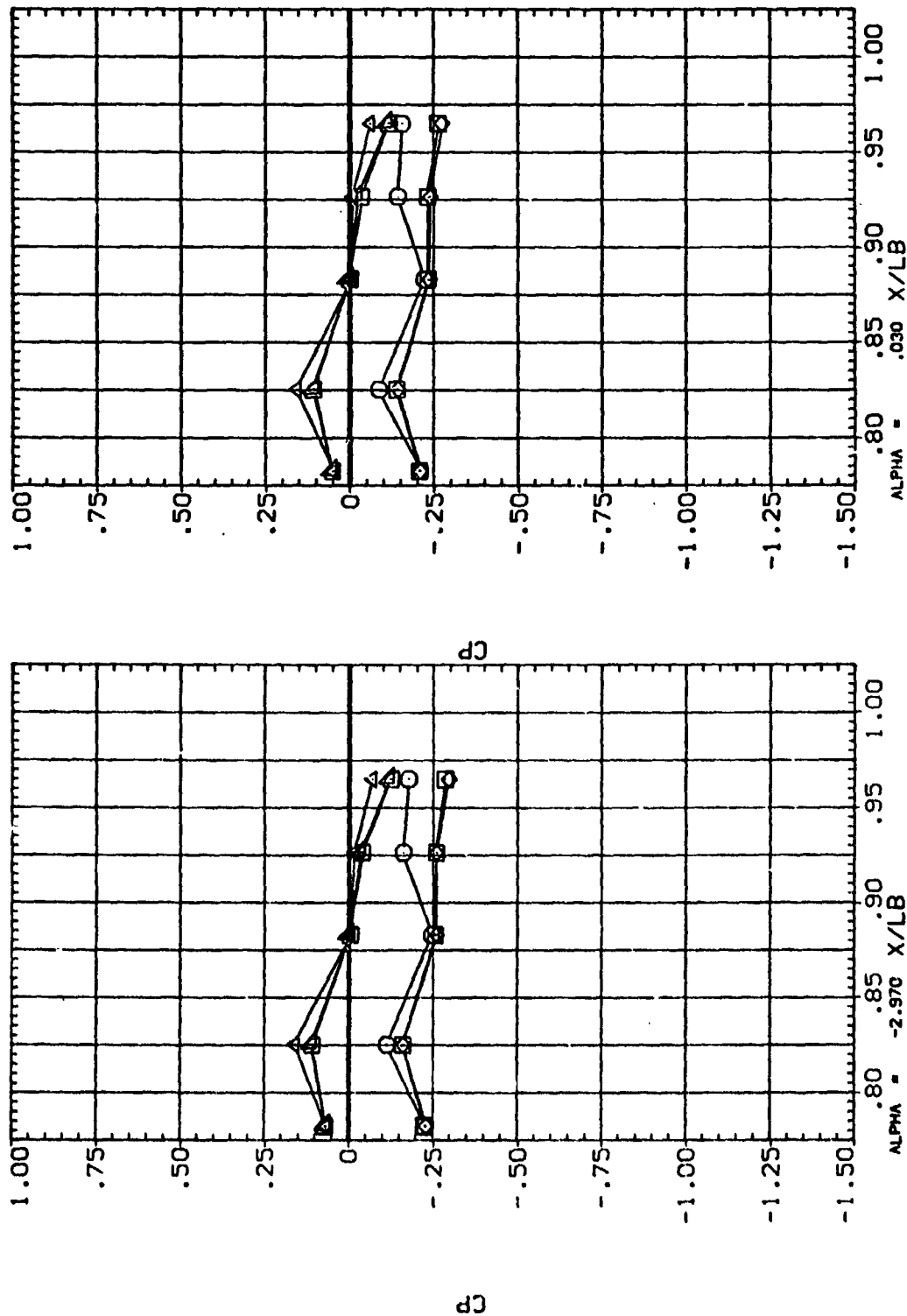
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00805)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00817)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00814)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00803)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00A17)	B26C9615M7F8M116E26V8RSX9 RIGHT FUSELAGE
(R00A14)	B26C9615M7F8M116E26V8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

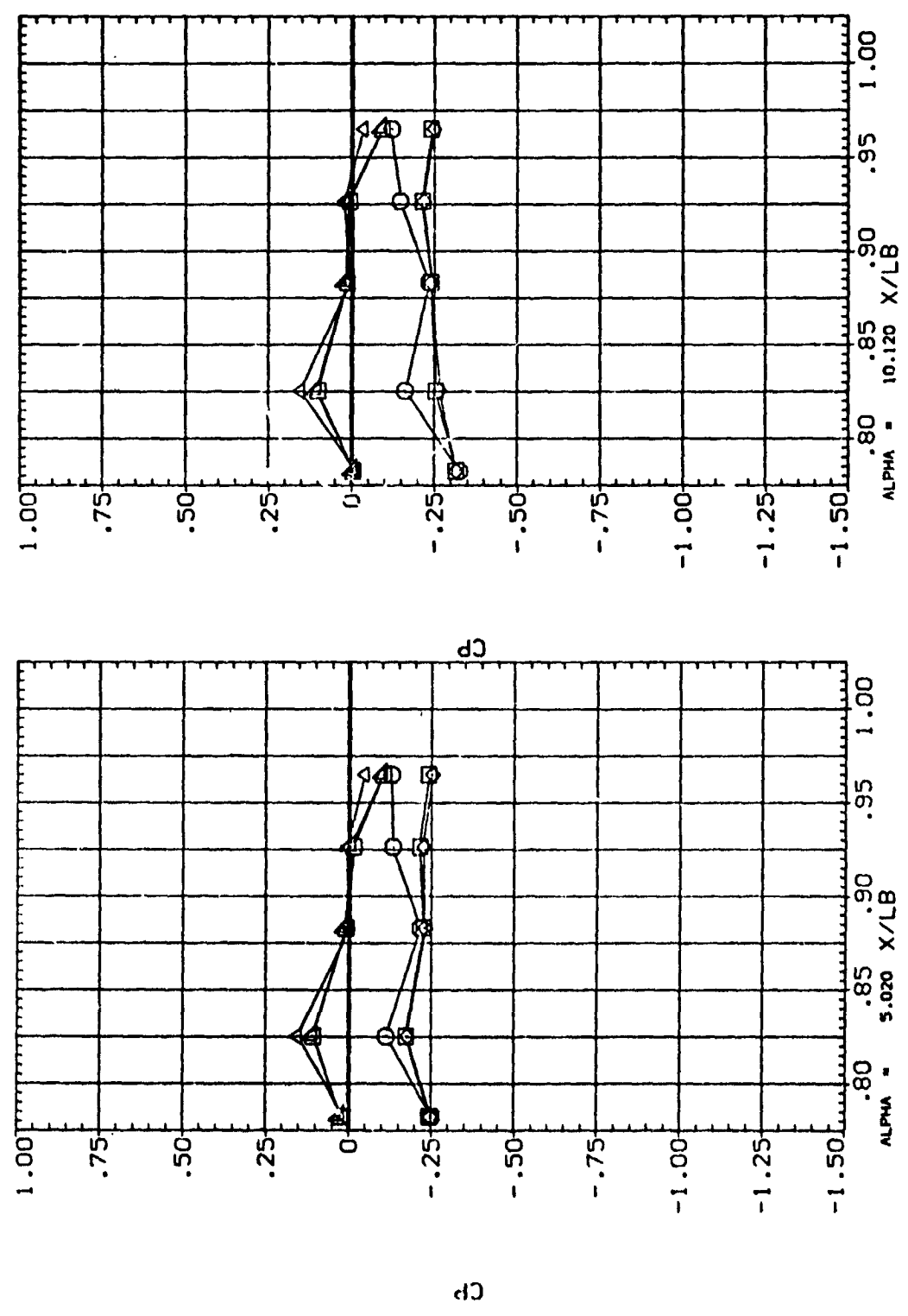


DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00805)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00817)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00814)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00803)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00A17)	B26C9G15M7F8M116E26V8R5X9	RIGHT FUSELAGE
(R00A14)	B26C9G15M7F8M116E26V8R5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00805)	B26C9G1SM7F8W116E26V8R5X9	LEFT FUSELAGE
(R00817)	B26C9G1SM7F8W116E26V8R5X9	LEFT FUSELAGE
(R00814)	B26C9G1SM7F8W116E26V8R5X9	LEFT FUSELAGE
(R00803)	B26C9G1SM7F8W116E26V8R5X9	LEFT FUSELAGE
(R00A17)	B26C9G1SM7F8W116E26V8R5X9	RIGHT FUSELAGE
(R00A14)	B26C9G1SM7F8W116E26V8R5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

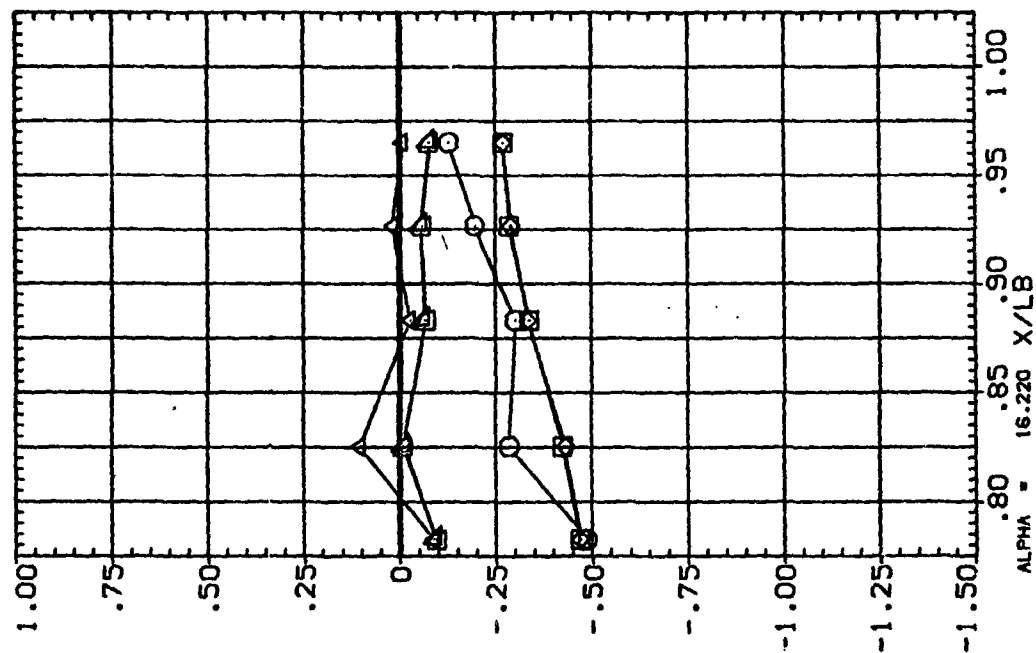
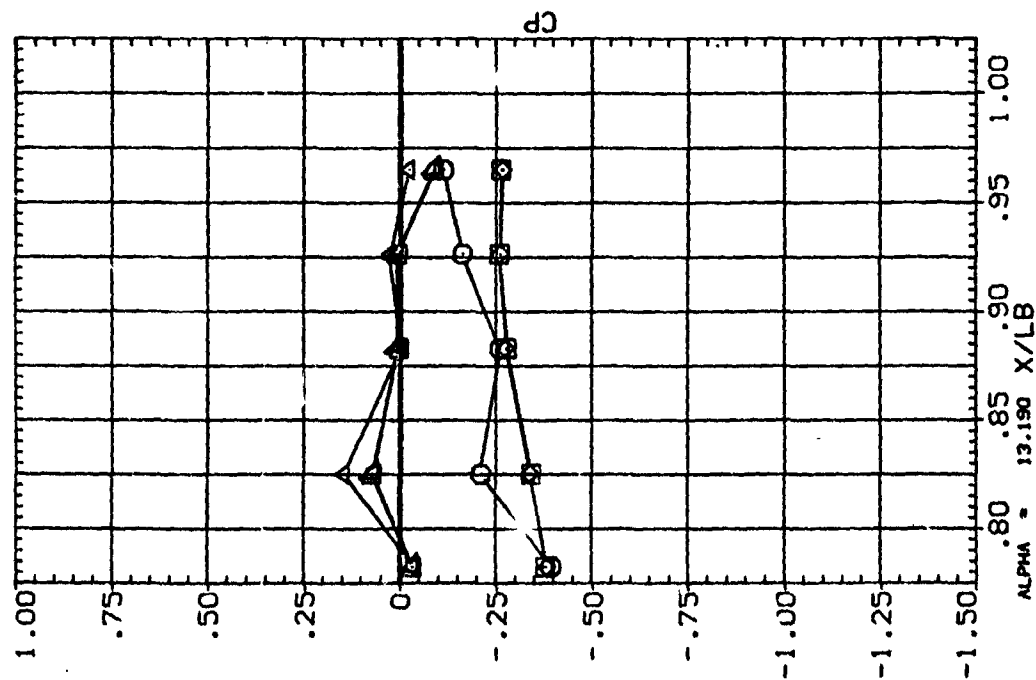


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 90.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00B05)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R00B17)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	-7.500	.000
(R00B14)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	-15.000	.000
(R00B03)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R00A17)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-7.500	.000
(R00A14)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-15.000	.000

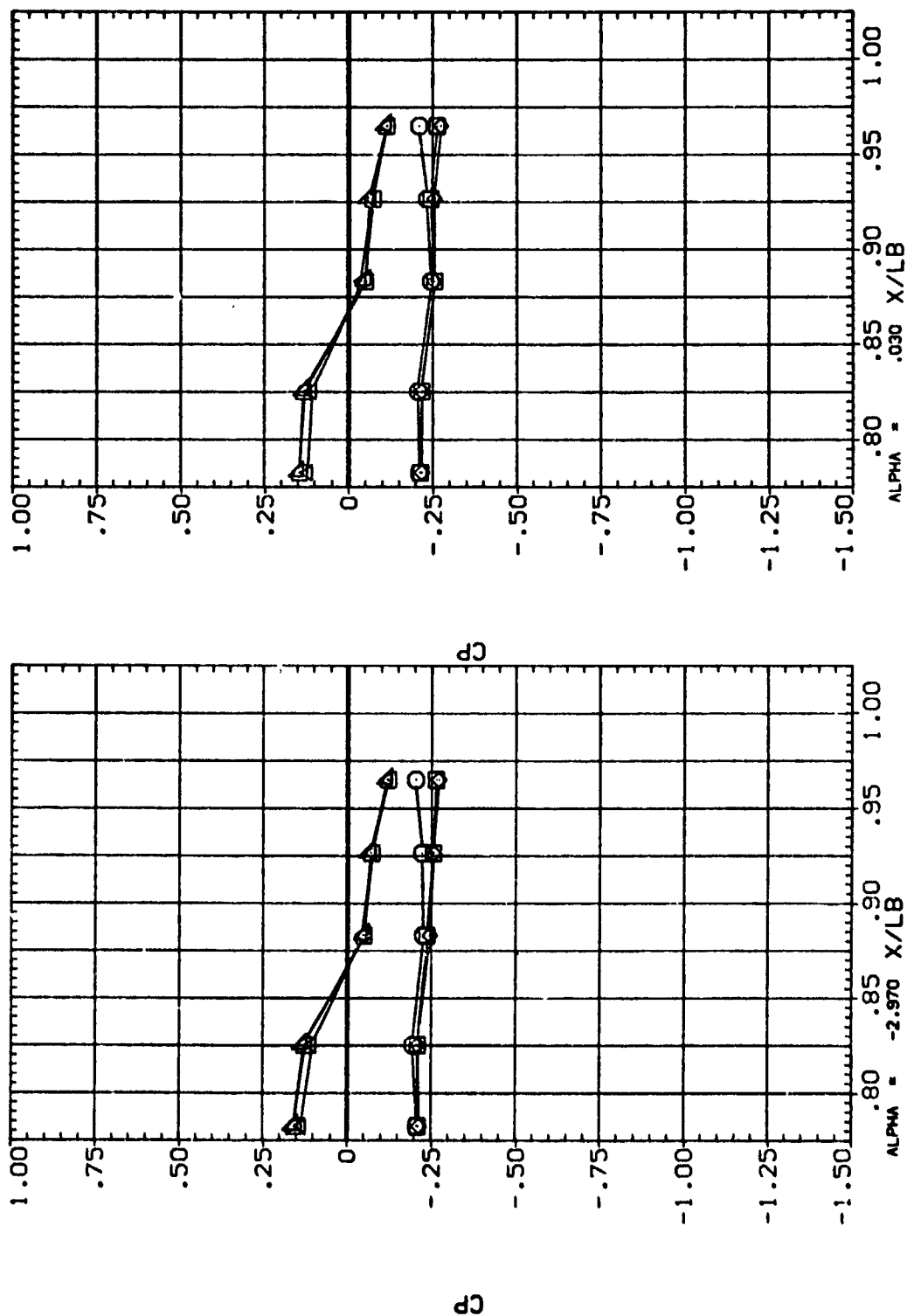


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 105.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00805)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00817)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00814)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00803)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00817)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE
(R00814)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

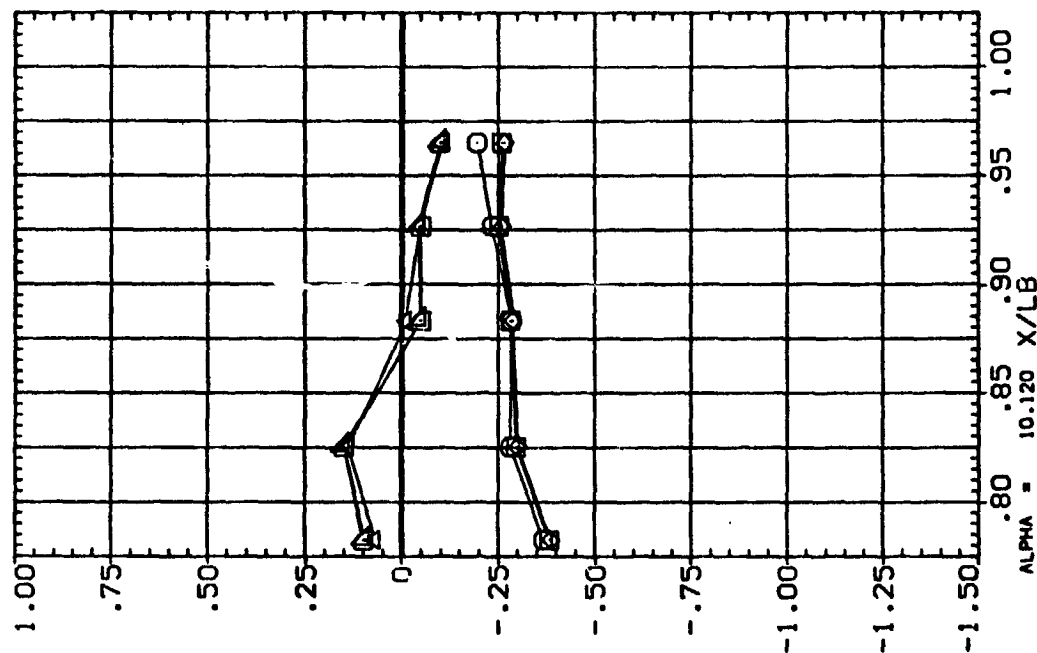
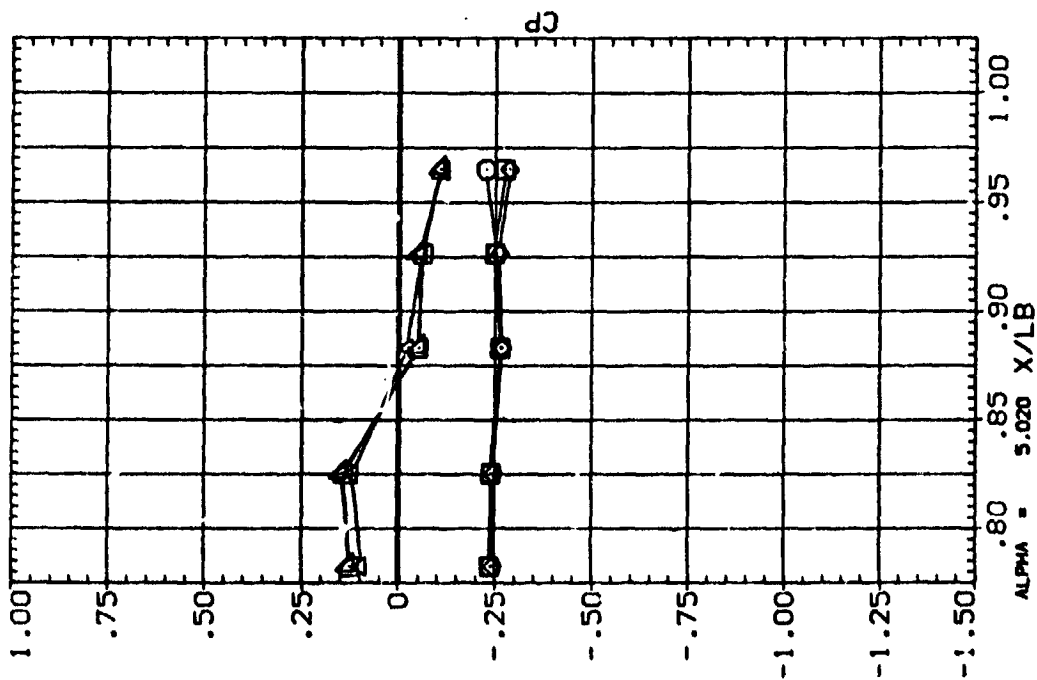


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 105.000

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
{ R00805 }	876C901 5H7F8V1	LEFT FUSELAGE
{ R00817 }	876C901 5H7F8V1	LEFT FUSELAGE
{ R00818 }	876C901 5H7F8V1	LEFT FUSELAGE
{ R00803 }	876C901 5H7F8V1	LEFT FUSELAGE
{ R00A17 }	876C901 5H7F8V1	RIGHT FUSELAGE
{ R00A14 }	876C901 5H7F8V1	RIGHT FUSELAGE
{ R00A15 }	876C901 5H7F8V1	RIGHT FUSELAGE

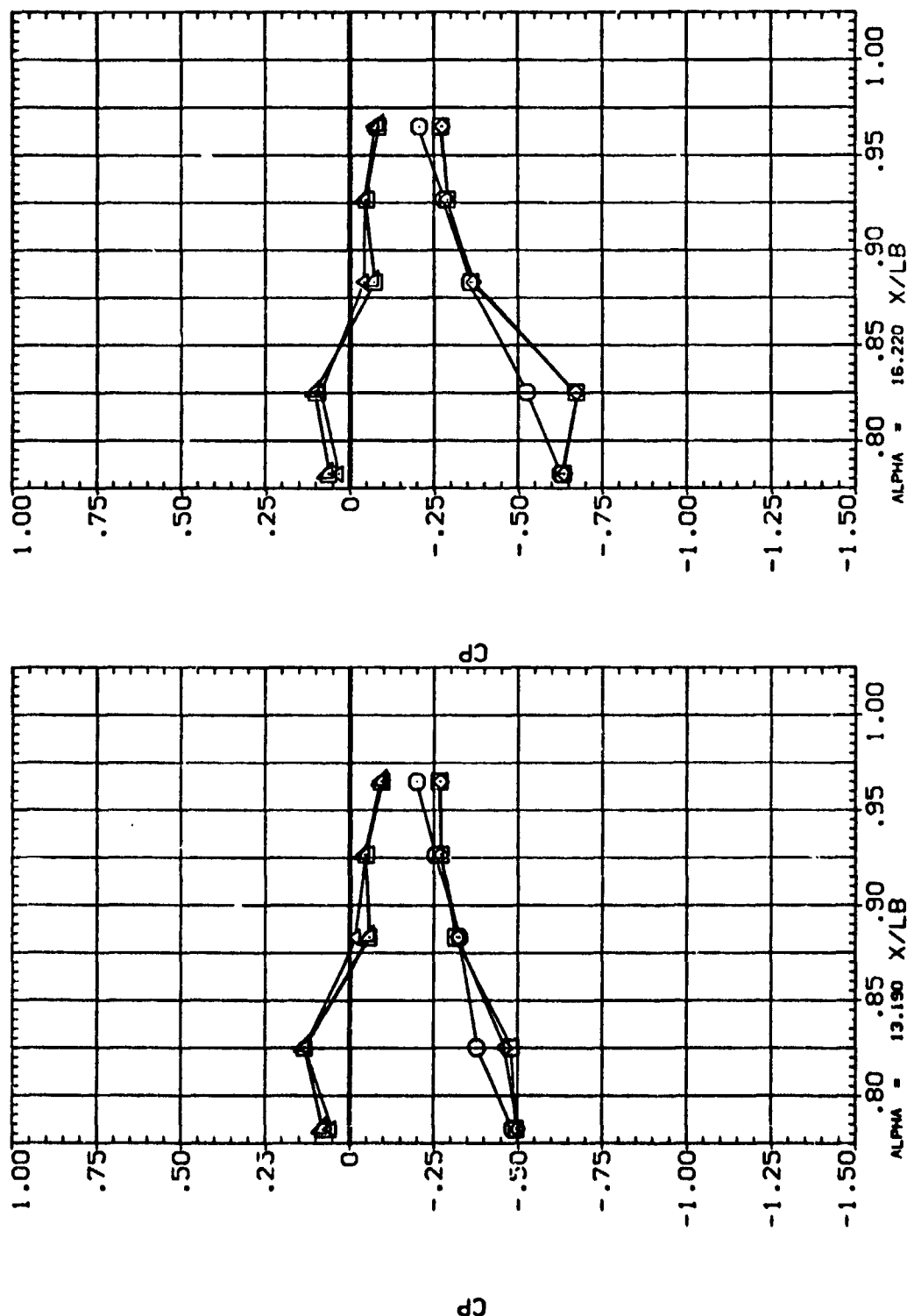


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10$

BETA = 10.050 PHI = 105.000

CONFIGURATION	DESCRIPTION
826C9G15N7F8V116E26V8R5X9	LE
826C9G15N7F8V116E26V8R5X9	LE
826C9G15N7F8V116E26V8R5X9	LE
826C9G15N7F8V116E26V8R5X9	LE
826C9G15N7F8V116E26V8R5X9	RI

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

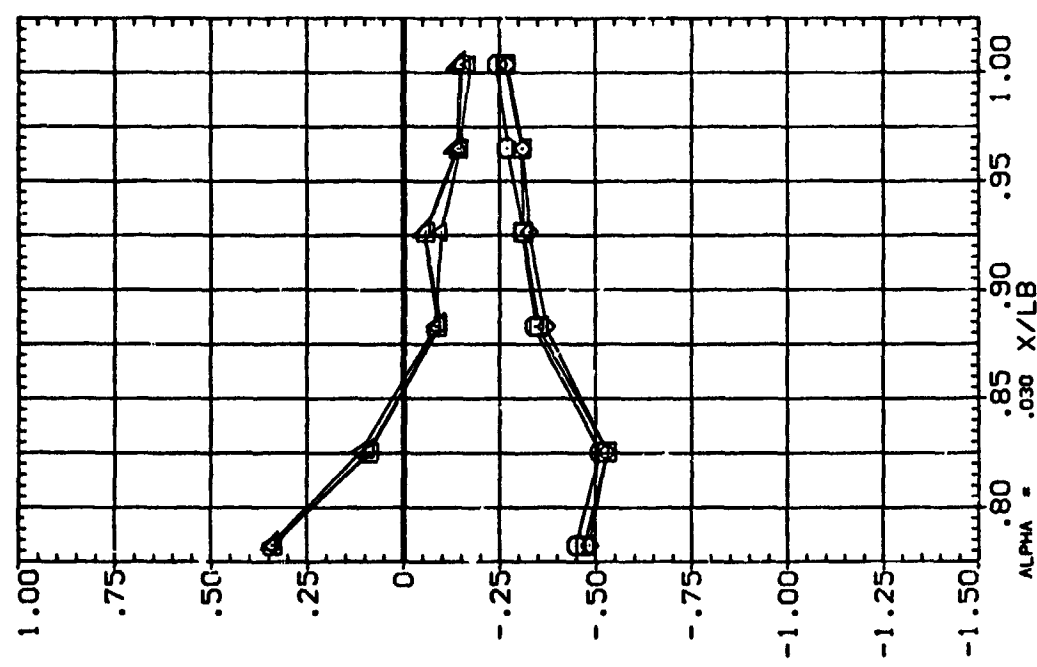
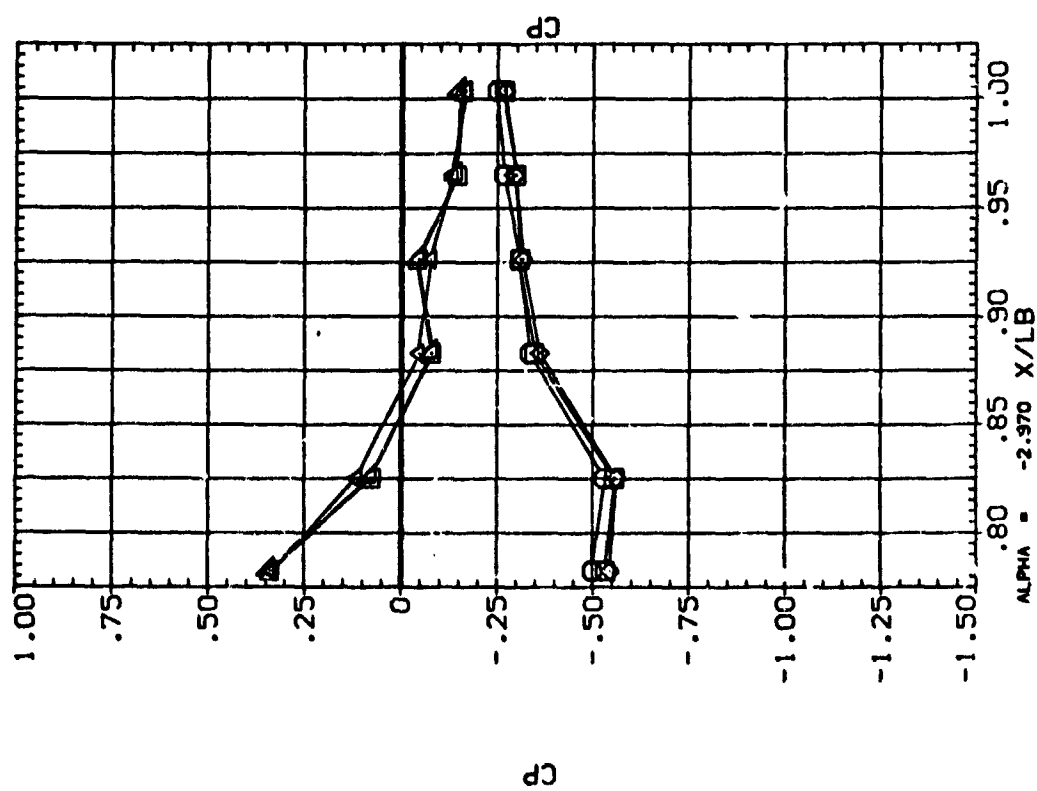


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION. RUDDER EFFECT. BETA = +10

BETA = 10.050 PHI = 120.000

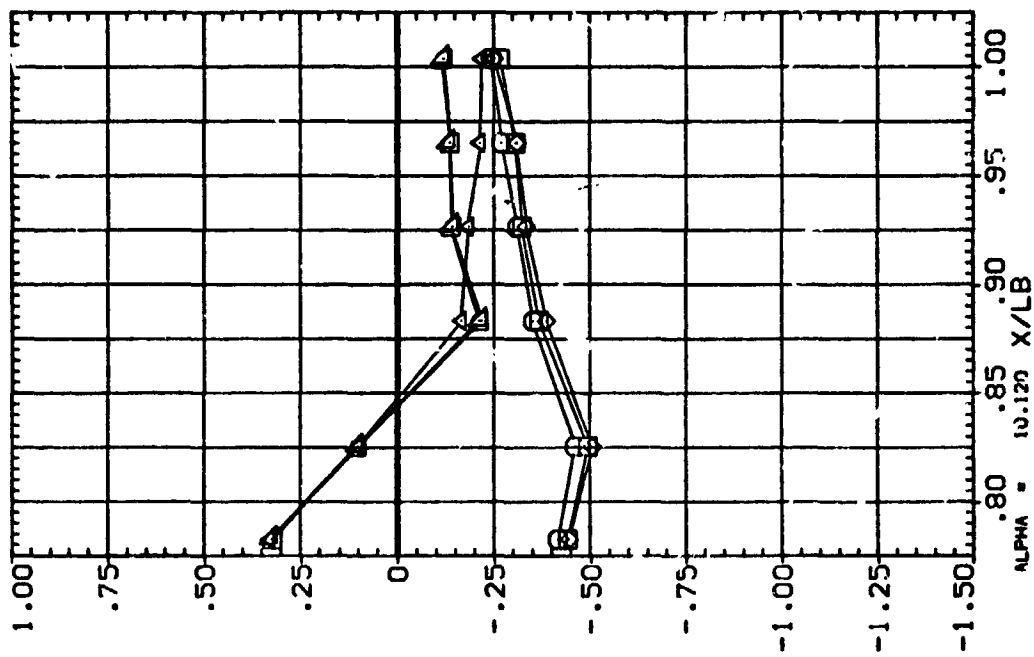
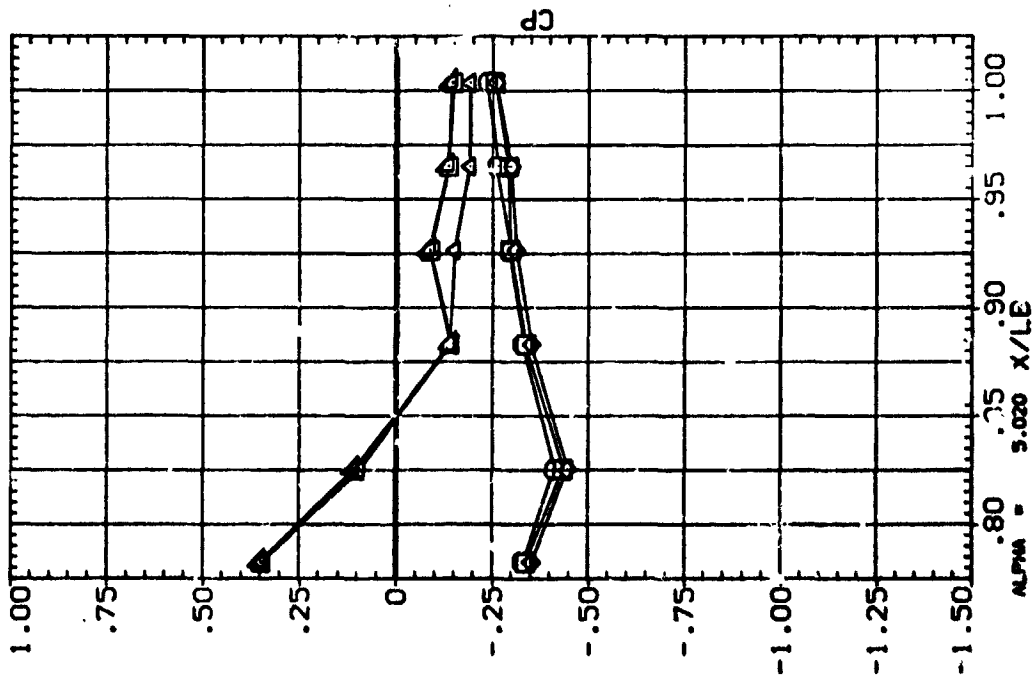
PAGE

DATA SET SYMBOL	DATA SET SYMBOL
(R00805)	
(R00817)	
(R00814)	
(R00803)	
(R00817)	
(R00814)	

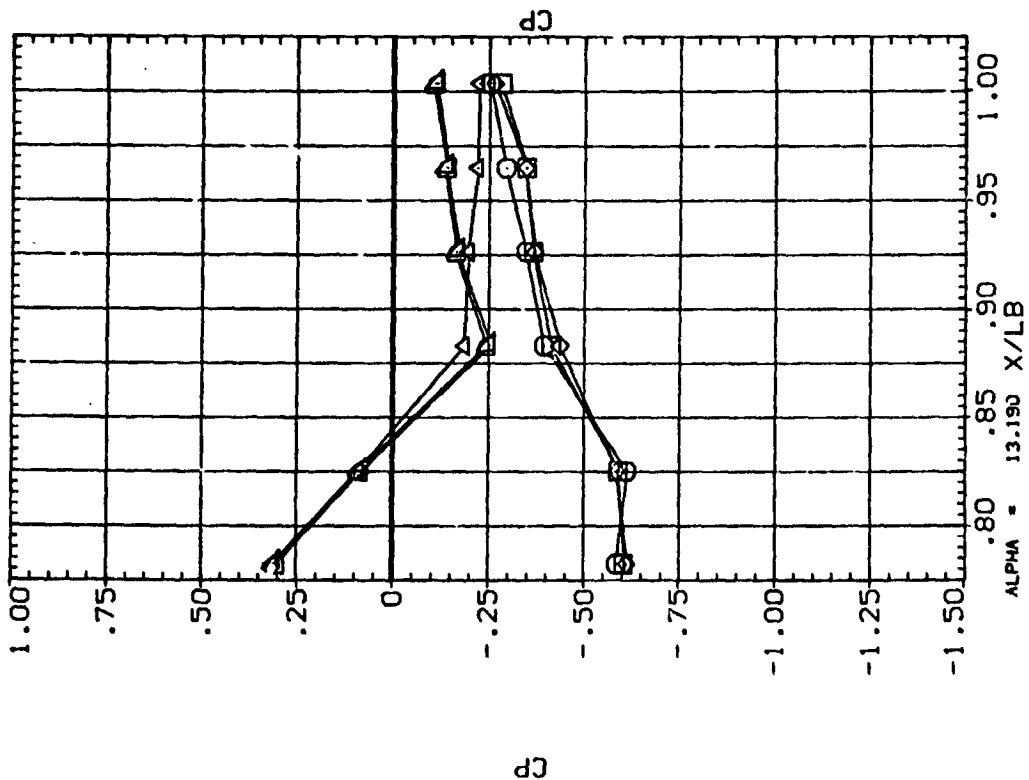
CONFIGURATION	DESCRIPTION
1	...
2	...
3	...
4	...
5	...
6	...
7	...
8	...
9	...
10	...
11	...
12	...
13	...
14	...
15	...
16	...
17	...
18	...
19	...
20	...
21	...
22	...
23	...
24	...
25	...
26	...
27	...
28	...
29	...
30	...
31	...
32	...
33	...
34	...
35	...
36	...
37	...
38	...
39	...
40	...
41	...
42	...
43	...
44	...
45	...
46	...
47	...
48	...
49	...
50	...
51	...
52	...
53	...
54	...
55	...
56	...
57	...
58	...
59	...
60	...
61	...
62	...
63	...
64	...
65	...
66	...
67	...
68	...
69	...
70	...
71	...
72	...
73	...
74	...
75	...
76	...
77	...
78	...
79	...
80	...
81	...
82	...
83	...
84	...
85	...
86	...
87	...
88	...
89	...
90	...
91	...
92	...
93	...
94	...
95	...
96	...
97	...
98	...
99	...
100	...

026C9G1 5M7F8U1 16E26V8R5S39 LEFT FUSELAGE
026C9G1 5M7F8U1 16E26V8R5S39 LEFT FUSELAGE
026C9G1 5M7F8U1 16E26V6R5S39 LEFT FUSELAGE
026C9G1 5M7F8U1 16E26V8R5S39 LEFT FUSELAGE
026C9G1 5M7F8U1 16E26V8R5S39 RIGHT FUSELAGE
026C9G1 5M7F8U1 16E26V8R5S39 RIGHT FUSELAGE
026C9G1 5M7F8U1 16E26V8R5S39 RIGHT FUSELAGE

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00805) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE



BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 10.000 -15.000 .000
 10.000 -15.000 .000
 10.000 -15.000 .000

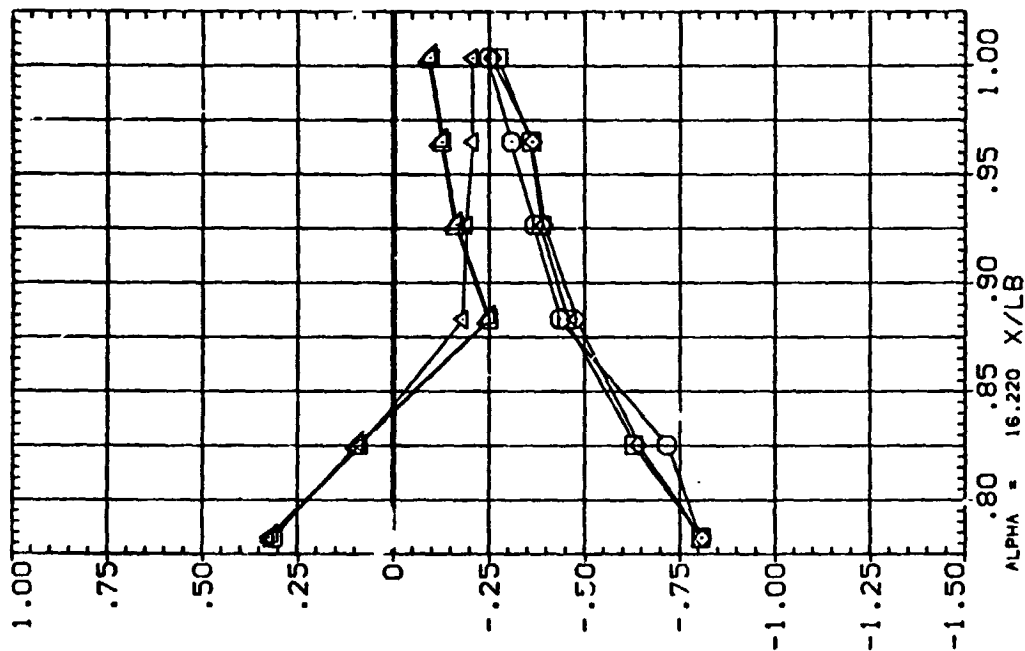


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R02805)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE
(R02817)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE
(R02814)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE
(R02803)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE
(R02817)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE
(R02814)	B26C9G15M7F8W116E26V8P5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON

10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

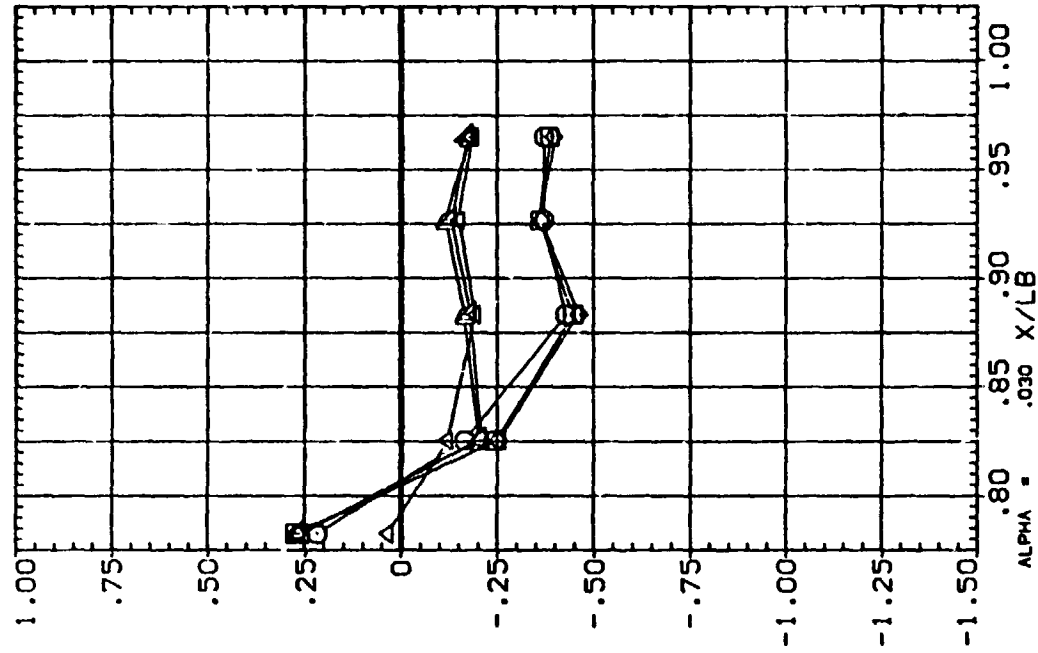
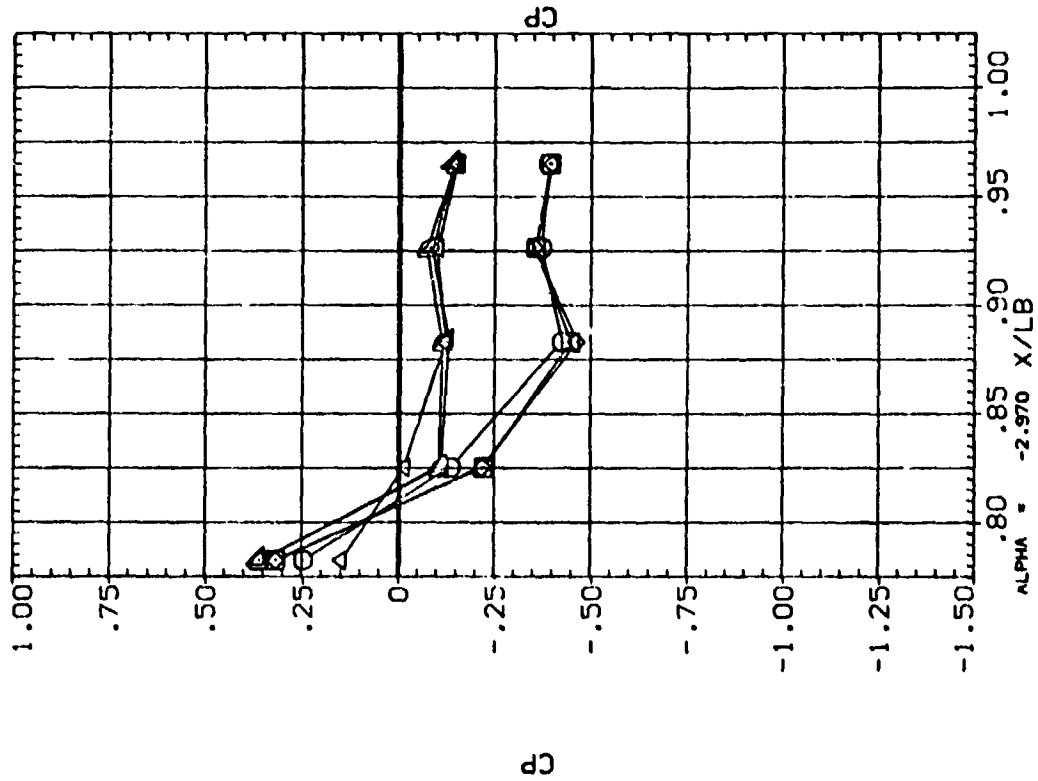


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00805) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G1SH7F8V116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G1SH7F8V116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 10.000 .000
 10.000 -7.500
 10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000

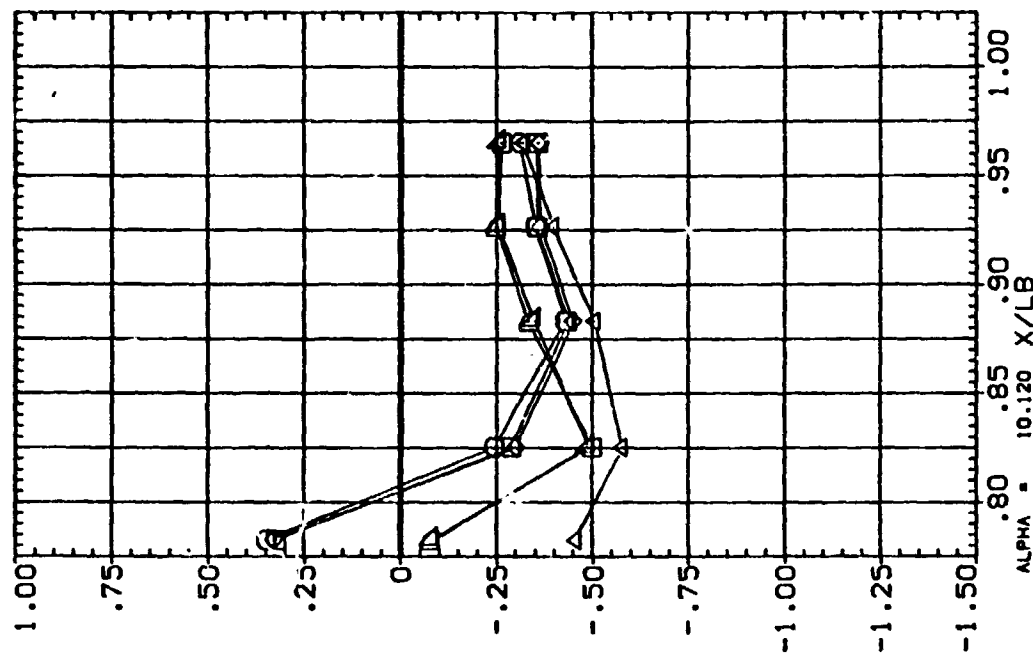
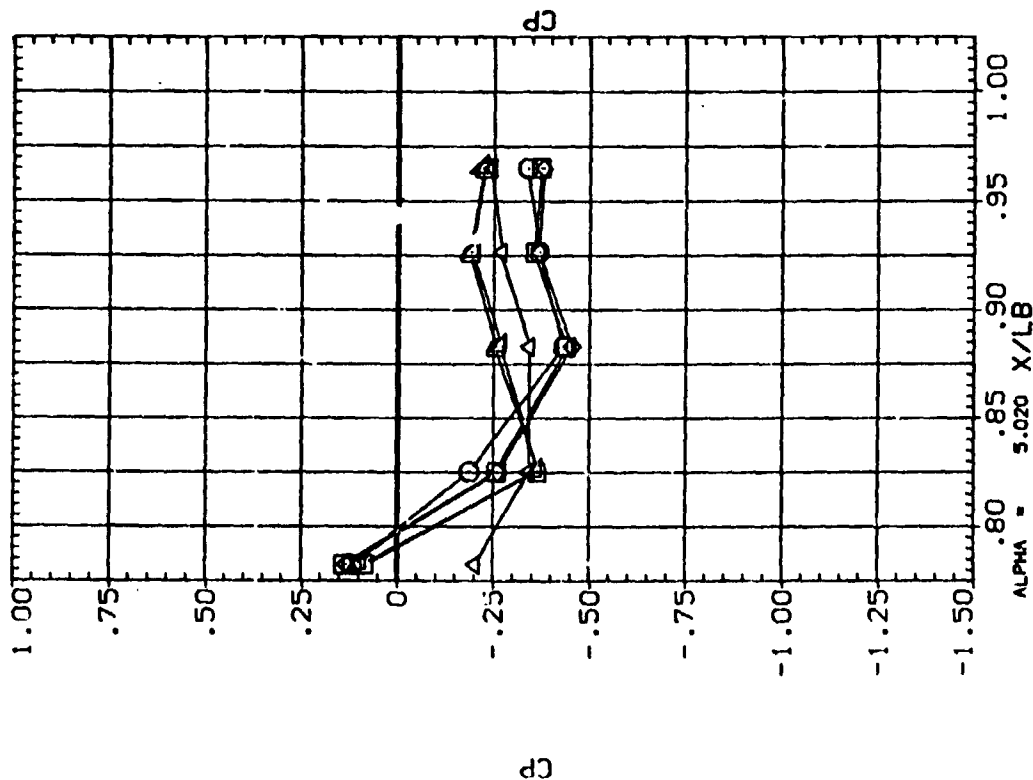


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION LEFT FUSELAGE RUDDER ELEVON

(R00805) B2C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE .000 .000

(R00817) B2C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE -7.500 .000

(R00814) B2C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE -15.000 .000

(R00803) B2C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE .000 .000

(R00817) B2C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE -7.500 .000

(R00814) B2C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE .000 .000

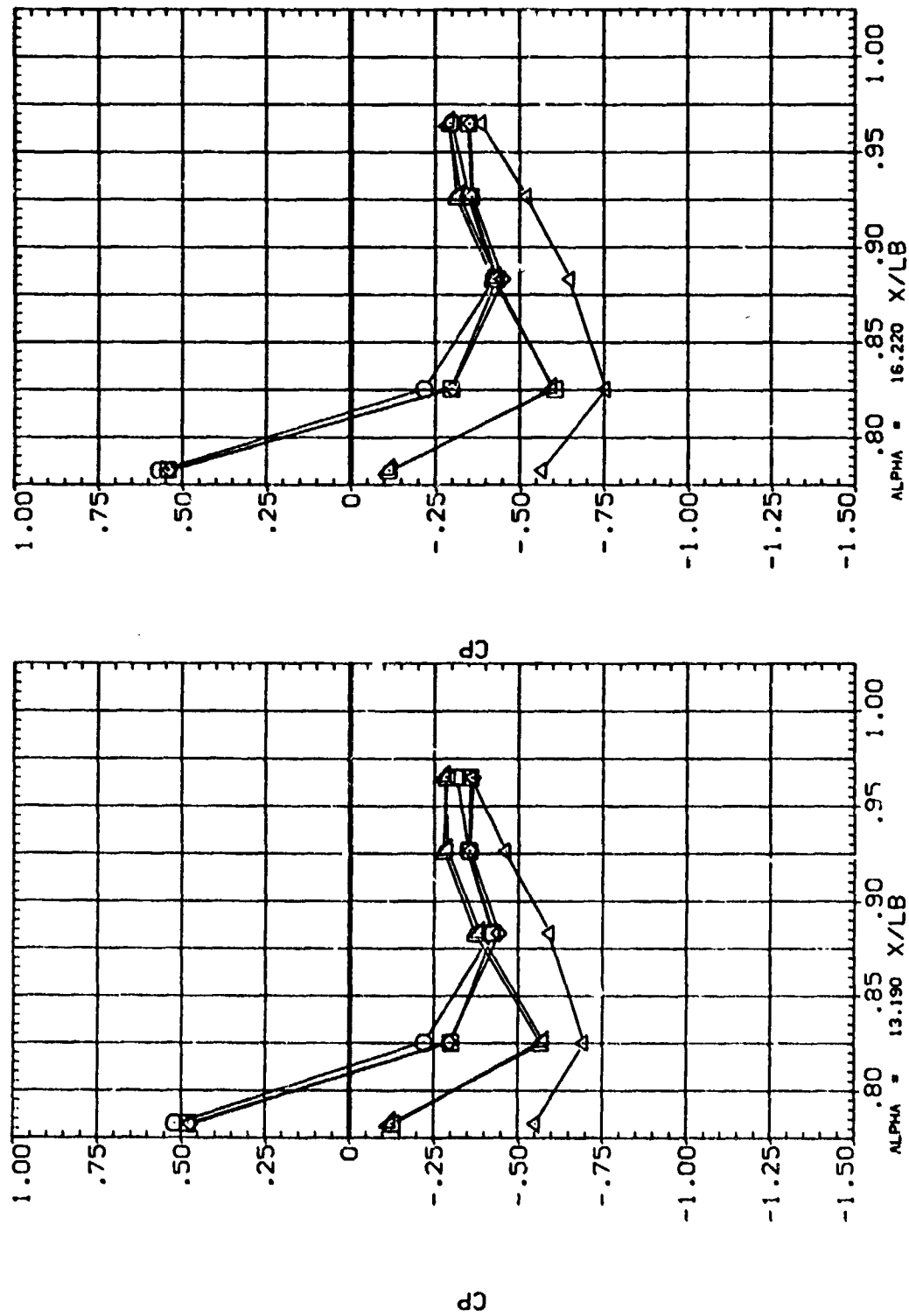


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 135.000

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00805) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000

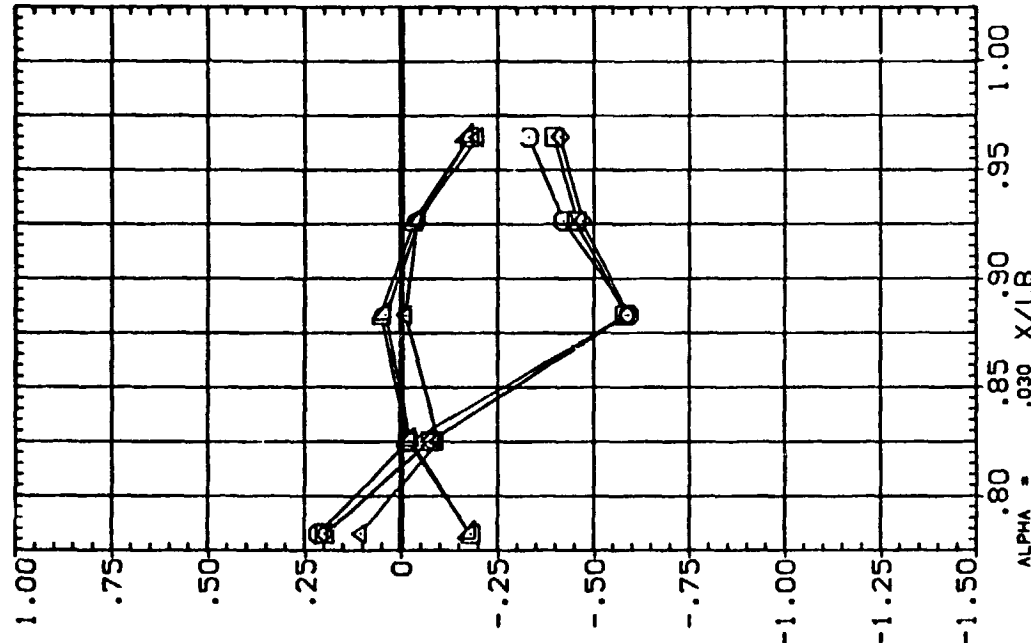
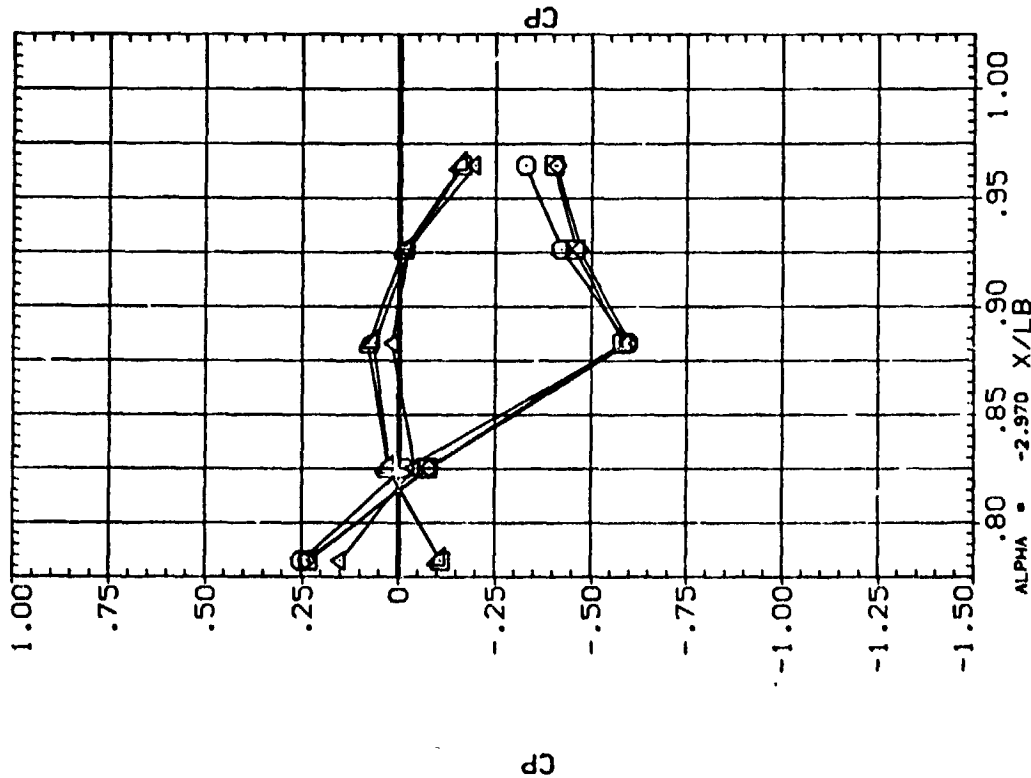


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 150.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00B05)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE	10.000	.000	.000
(R00B17)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE	10.000	-7.500	.000
(R00B14)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE	10.000	-15.000	.000
(R00B03)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE	10.000	.000	.000
(R00A17)	B26C9G15M7F8V116E2SV8R3X9 RIGHT FUSELAGE	10.000	-7.500	.000
(R00A14)	B26C9G15M7F8V116E2SV8R3X9 RIGHT FUSELAGE	10.000	-15.000	.000

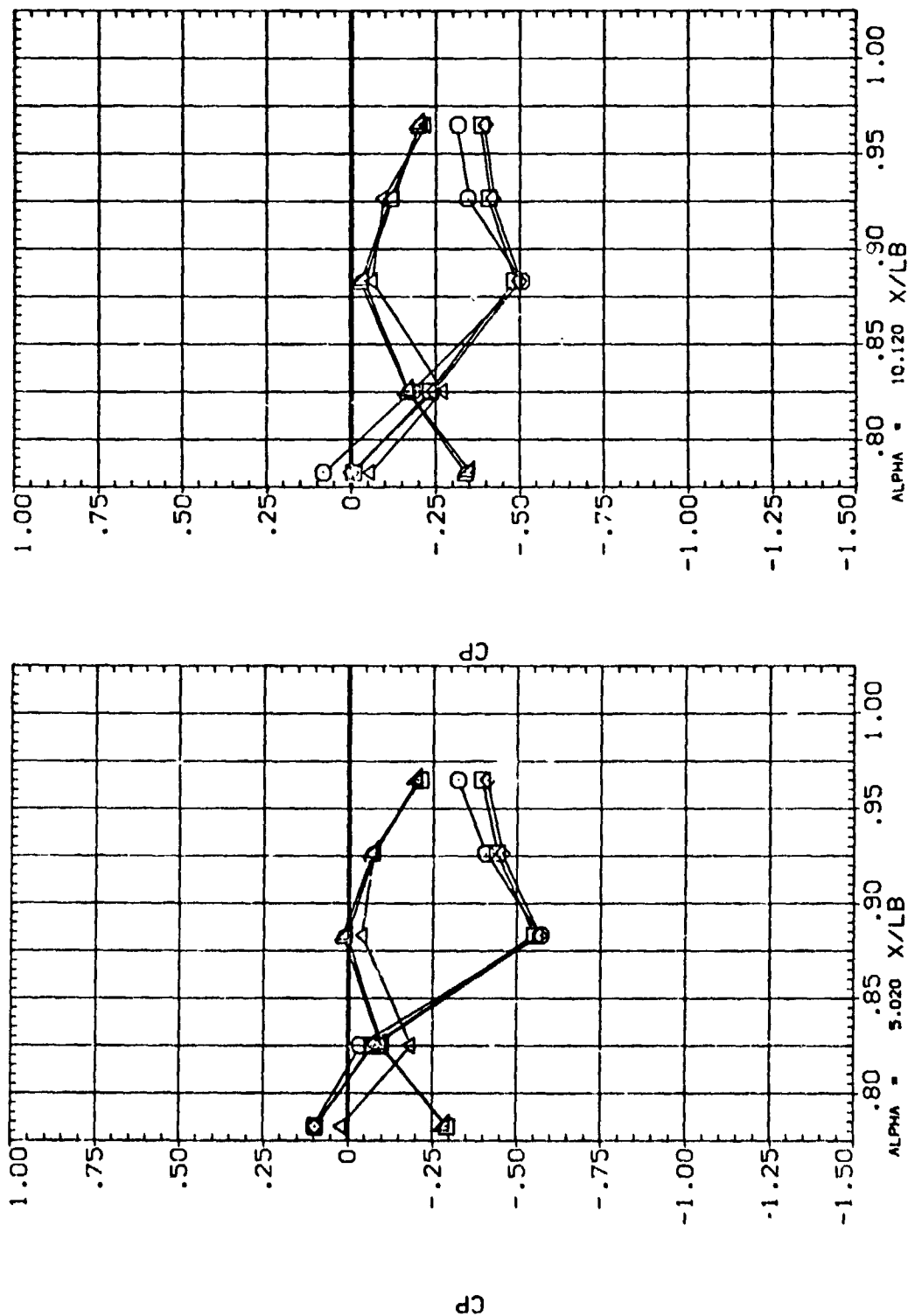


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION RUDDER ELEVON

(R00803) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE

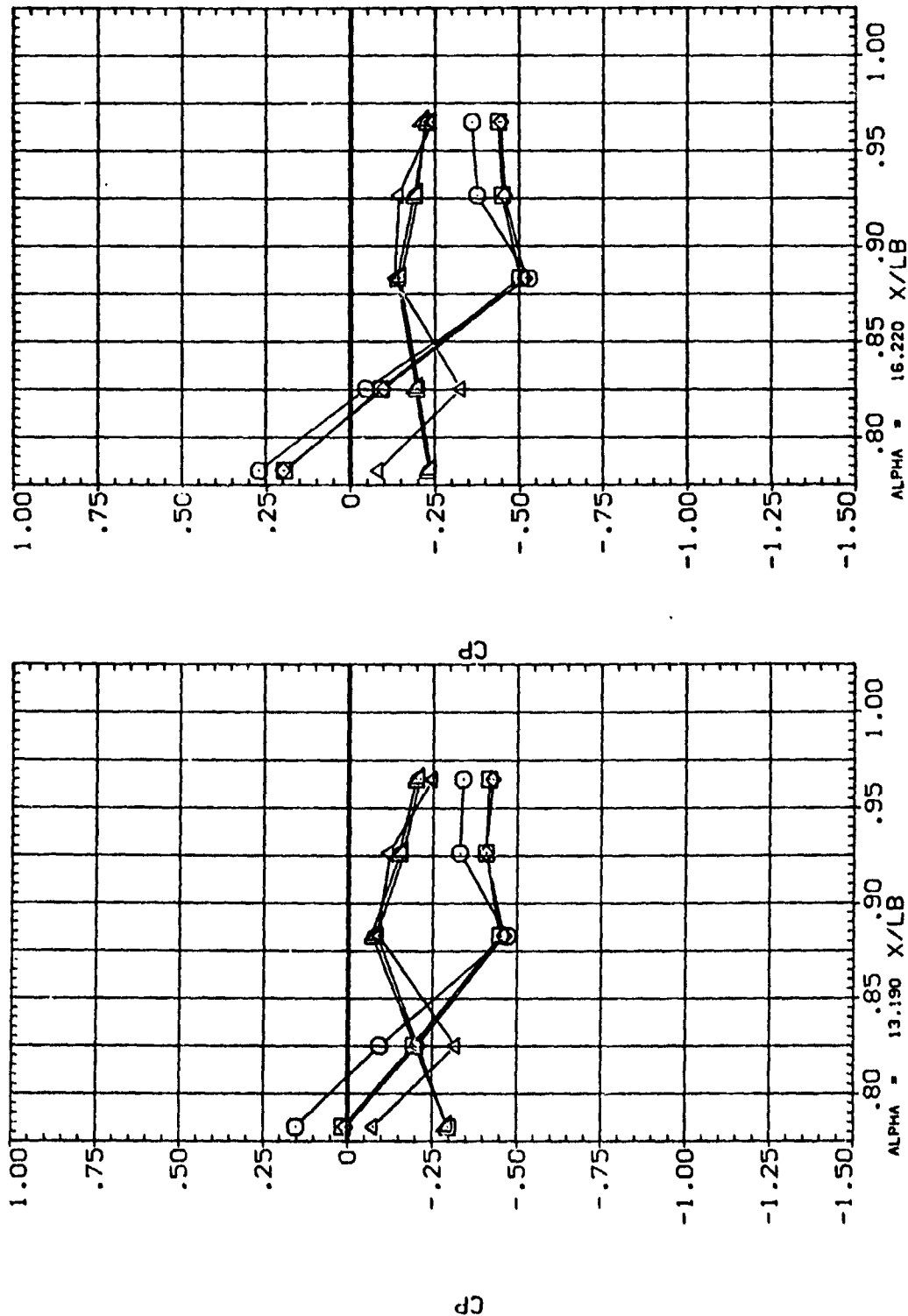


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 150.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00805)	B26C9G15M7F8W116E26V8R5X9	10.000	.000	.000
(R00817)	B26C9G15M7F8W116E26V8R5X9	10.000	-7.500	.000
(R00814)	B26C9G15M7F8W116E26V8R5X9	10.000	-15.000	.000
(R00803)	B26C9G15M7F8W116E26V8R5X9	10.000	.000	.000
(R00817)	B26C9G15M7F8W116E26V8R5X9	10.000	-7.500	.000
(R00814)	B26C9G15M7F8W116E26V8R5X9	10.000	-15.000	.000

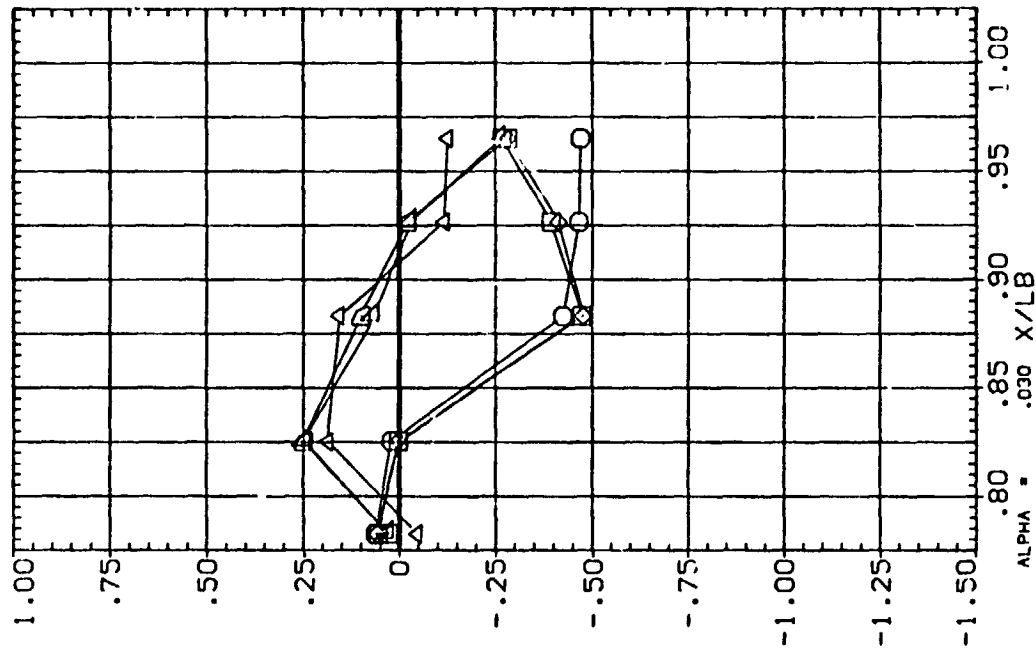
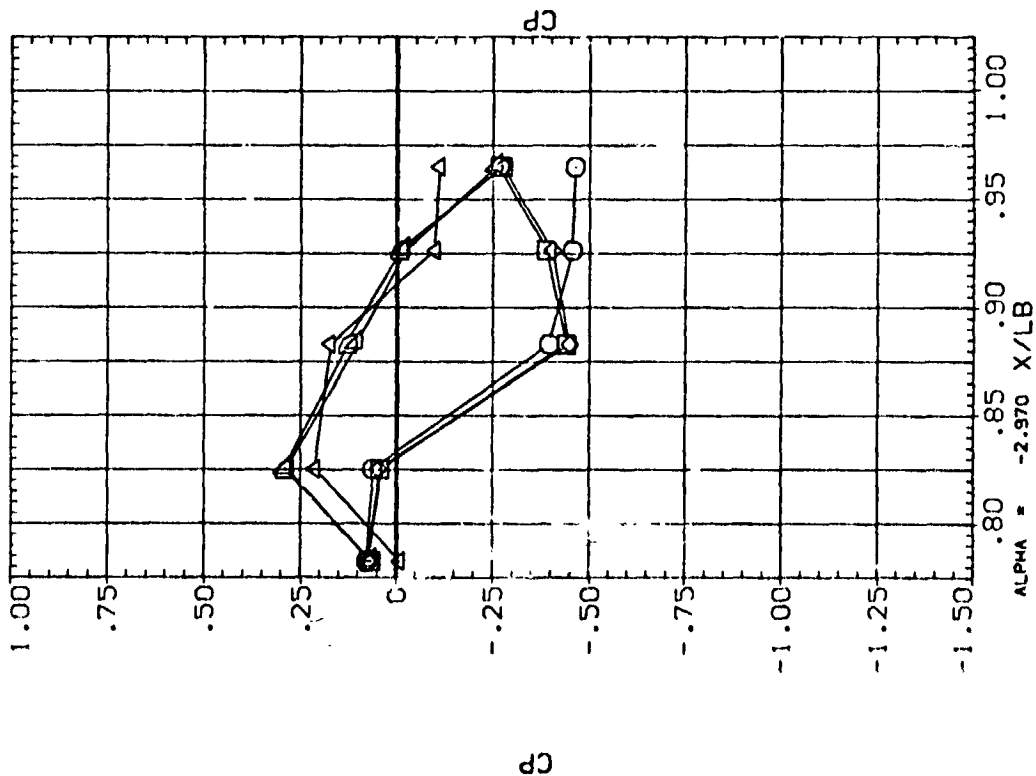
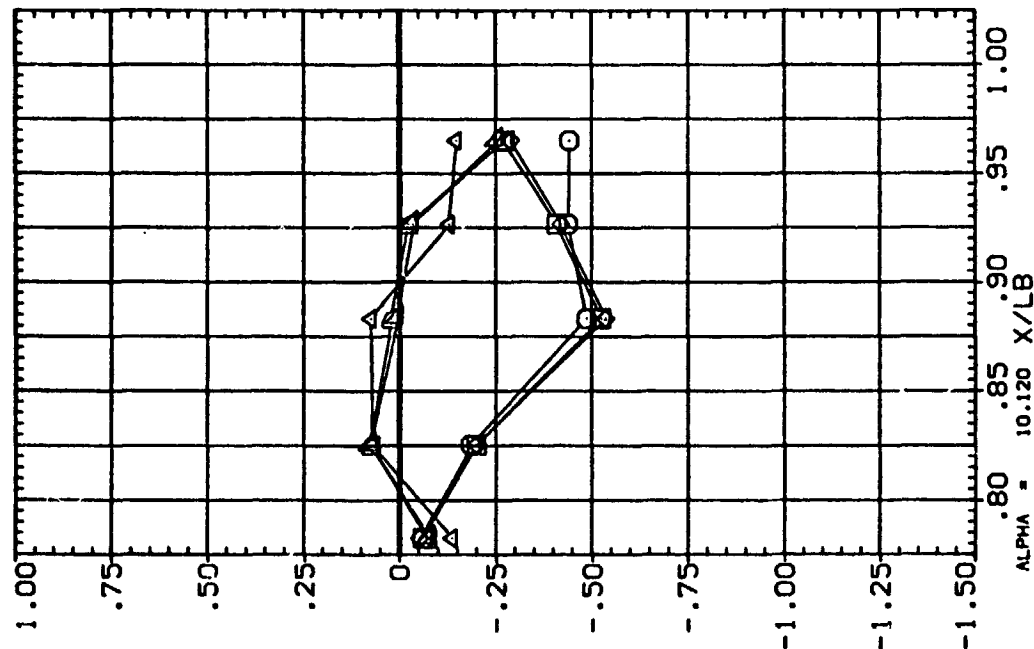
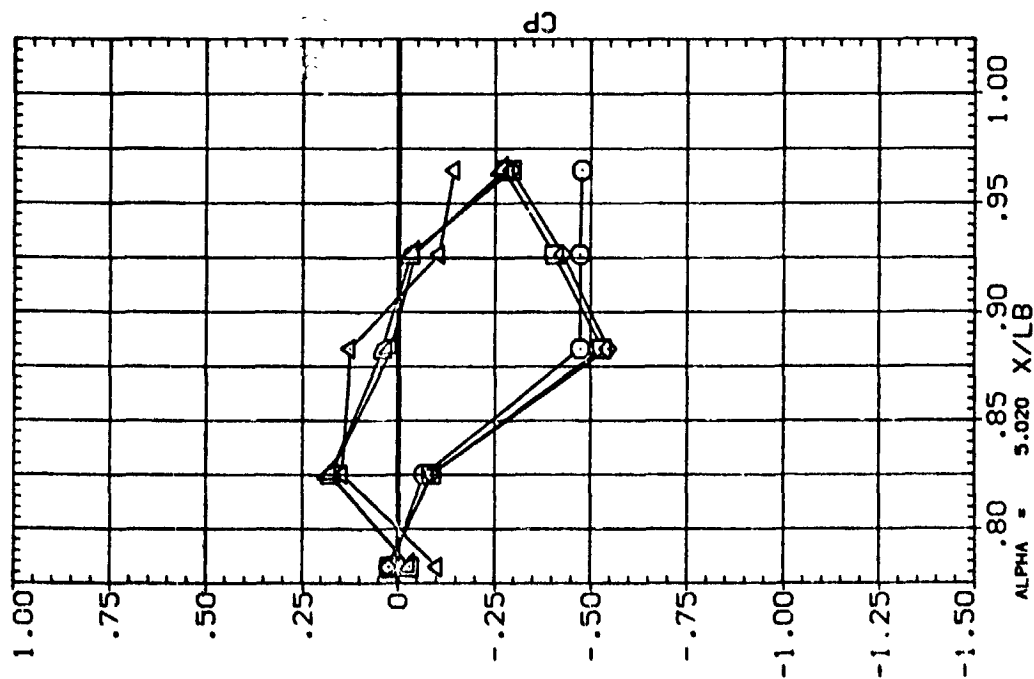


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00805) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (P00817) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G1S7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G1S7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000



F.G. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

(R00805) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G1SMTF8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G1SMTF8W116E26V8R5X9 RIGHT FUSELAGE

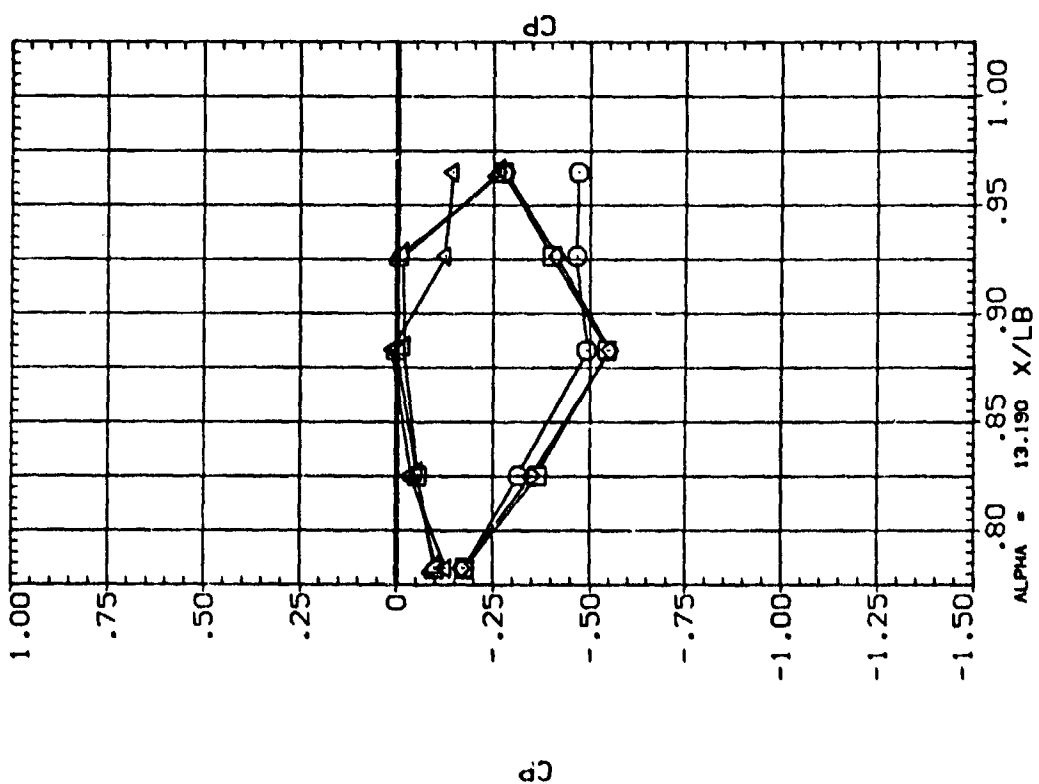
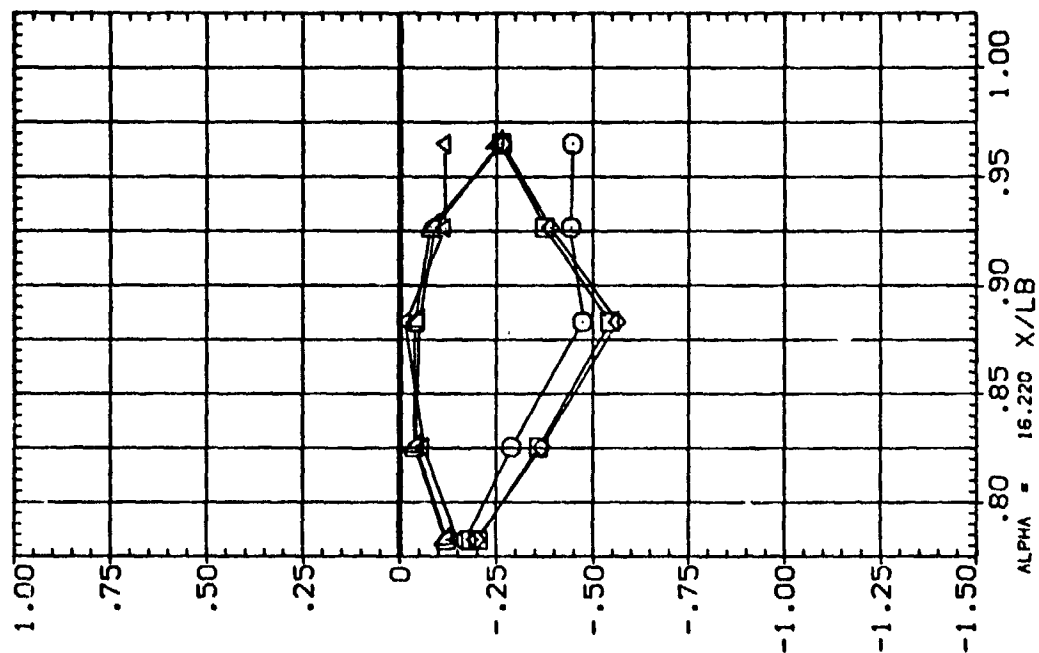


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 165.000

B26C3G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB03)

SYMBOL
 □ ◇ ◊ △ ▽

ALPHA
 -2.980
 .020
 5.020
 10.080
 13.190
 16.220

X/LB
 .008
 .023

BETA
 -10.060

PARAMETRIC VALUES
 ELEVON
 BD FLAP
 .000
 -14.250
 RUDDER
 BETA
 .000
 -10.000

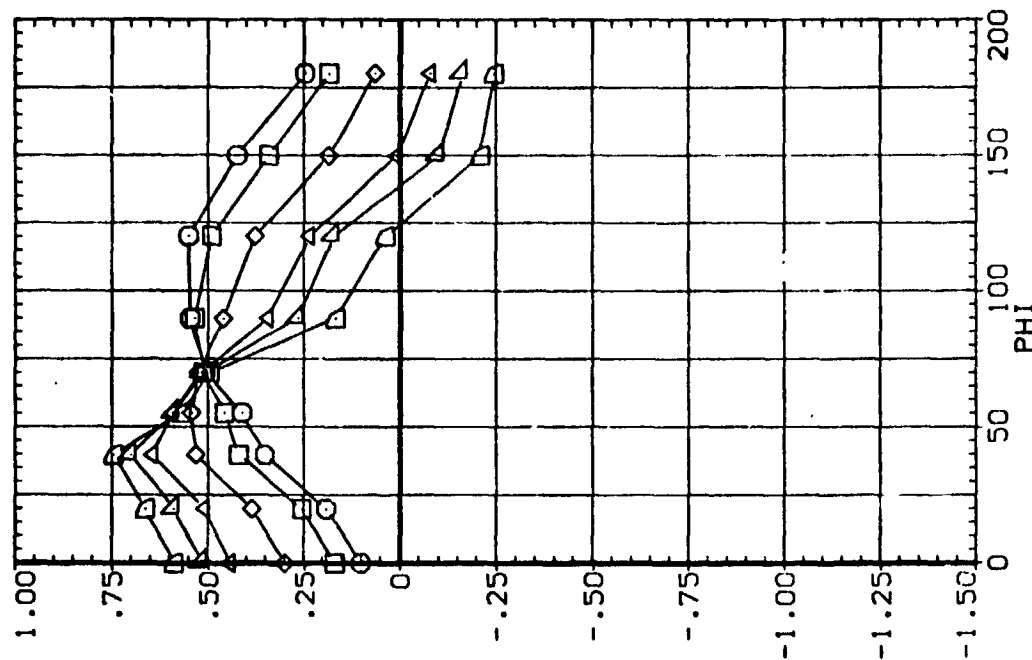
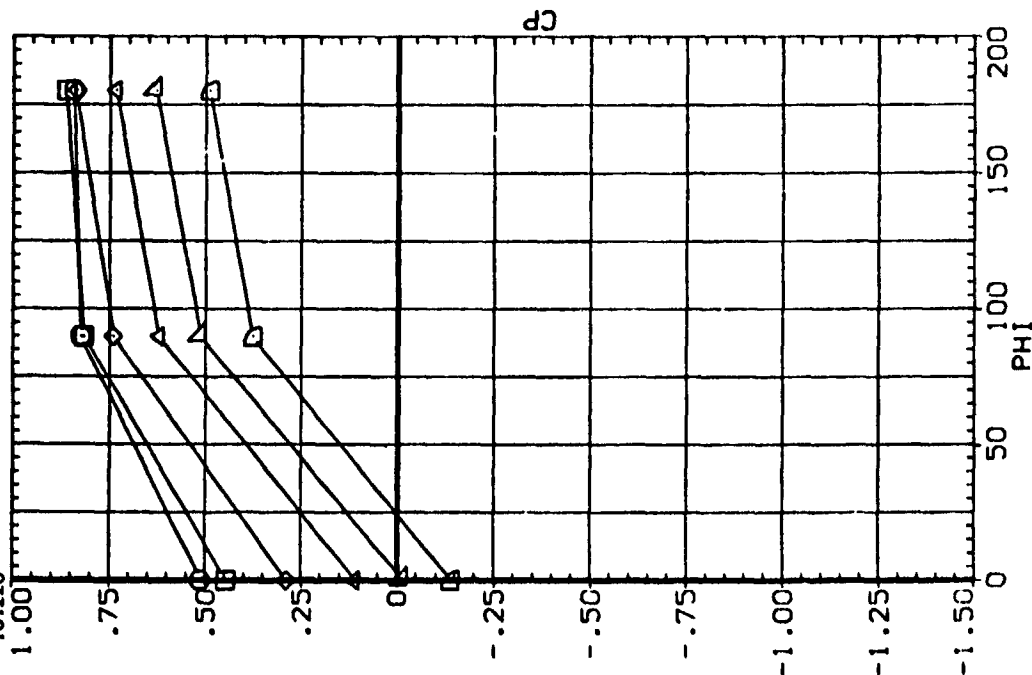


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BCFLAP -14.250 BETA -10.000

ALPHA X/LB BETA
-2.980 .047 -10.060
.020 .070
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▲ ▽ ▿

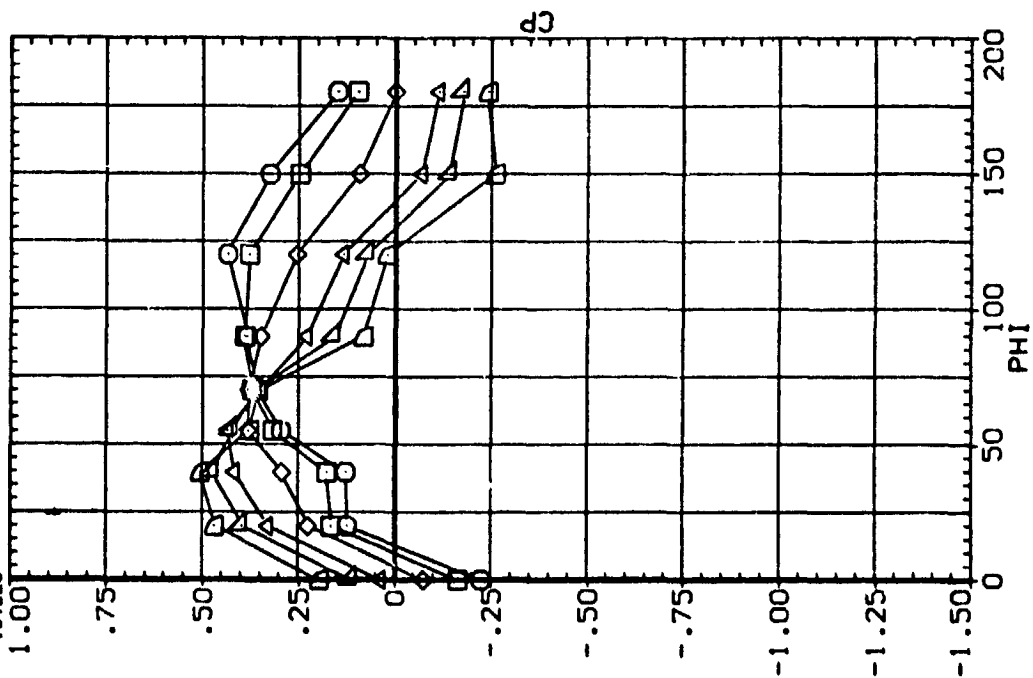
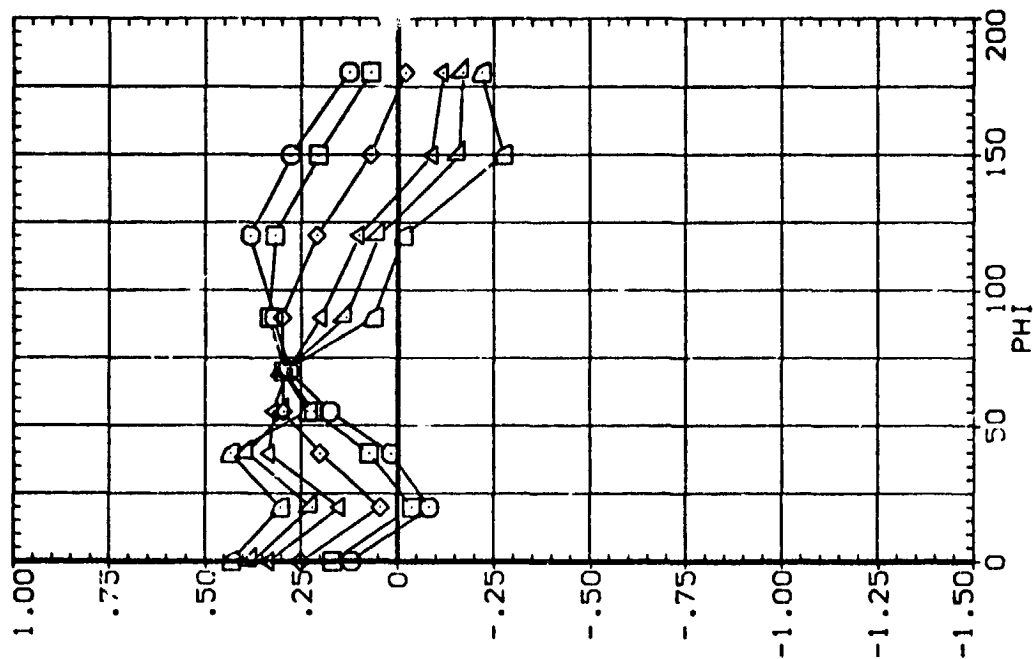


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

SYMBOL
 ○ □ ◇ △ ▽

ALPHA X/LB BETA
 -2.980 .112 -10.060
 .020 .147
 5.020
 10.090
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA -10.000

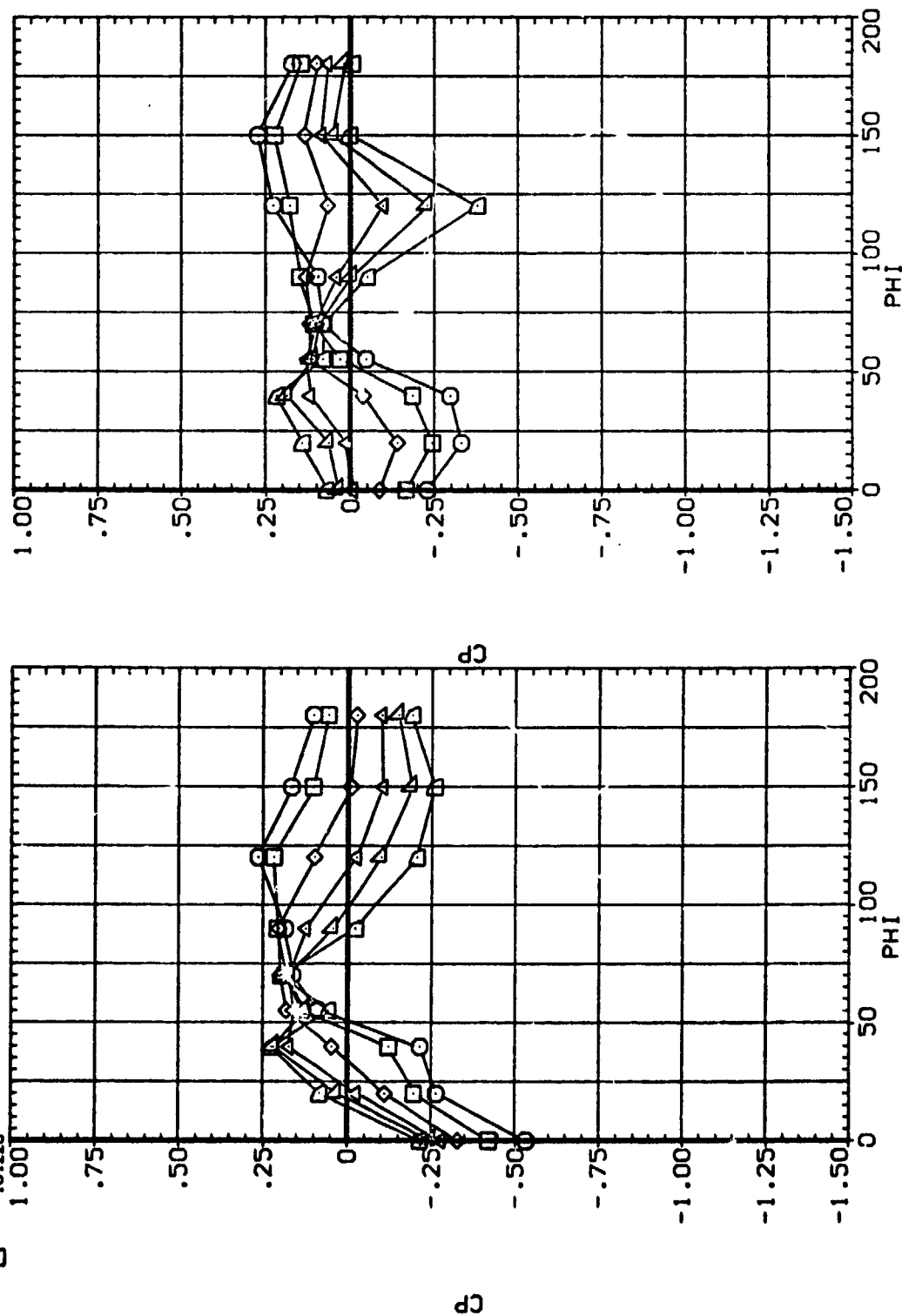


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

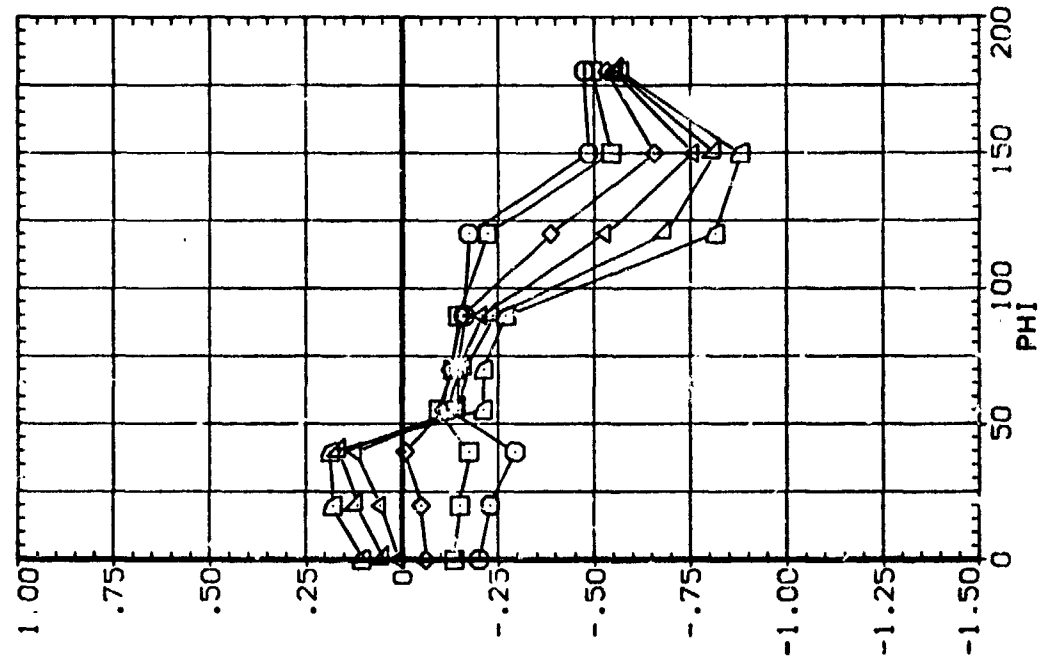
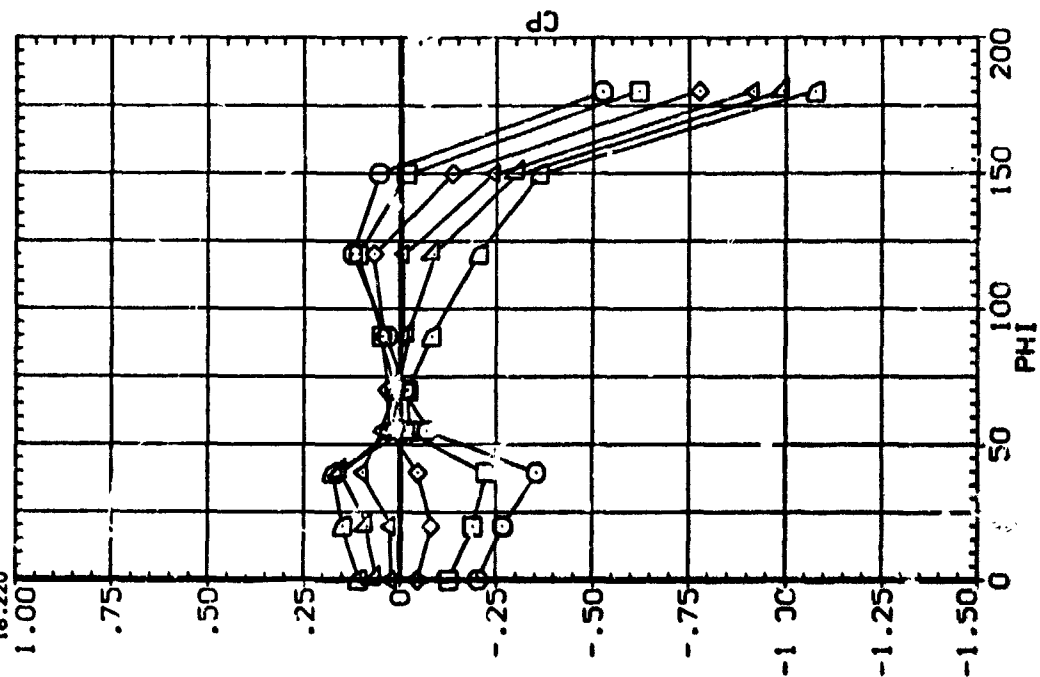
B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB03)

SYMBOL
 ○ □ ◇ △ ▽

ALPHA X/LB BETA
 -2.980 .186 -10.060
 .020 .236
 5.020
 10.030
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000



CL - CD CURVES ARE PLOTTED FOR EACH OF THE DIST

ALPHA EFFECT ELEVON = 0 RUDDER = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0803)

SYMBOL

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

X/LR
.302
.380

BETA
-10.060

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
80FLAP -14.250 BETA -10.000

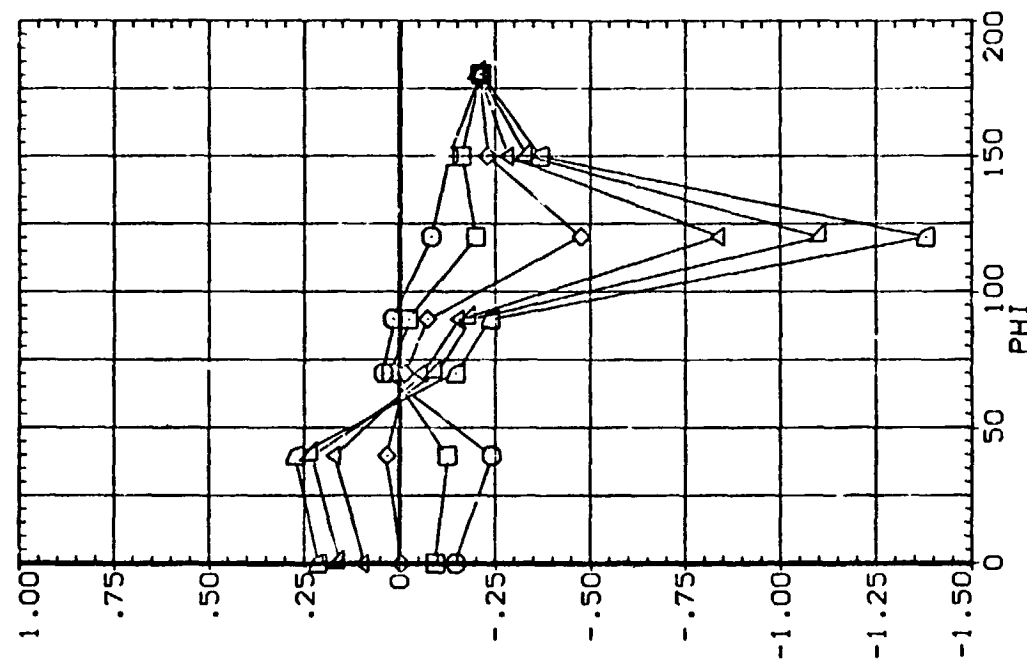
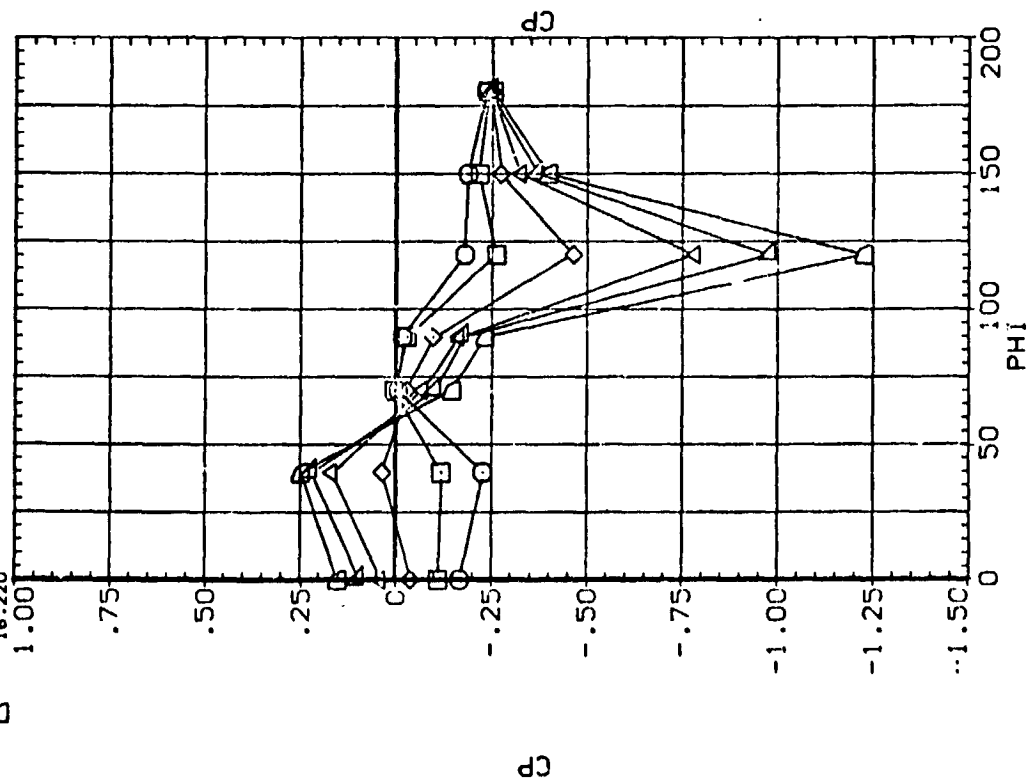


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R03803)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA X/LB BETA
-2.980 .500 -10.060
.020 .655
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

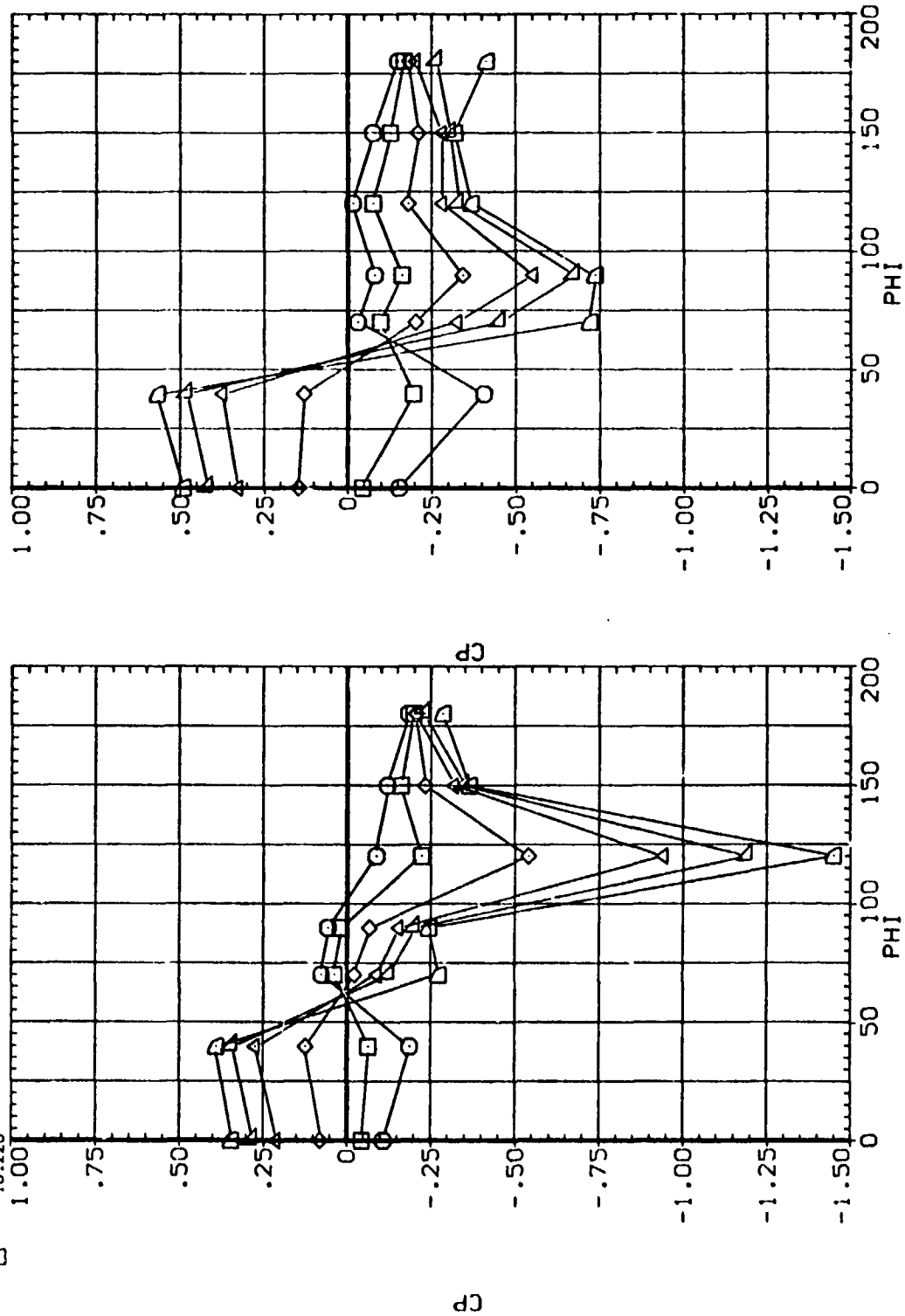


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

SYMBOL
□ ◇ △ ▽ ▢

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

X/LB
.732
.783

BETA
-10.060

PARAMETRIC VALUES
ELEVON
R0FLAP
-14.250
RUDDER
BETA
.000
-10.000

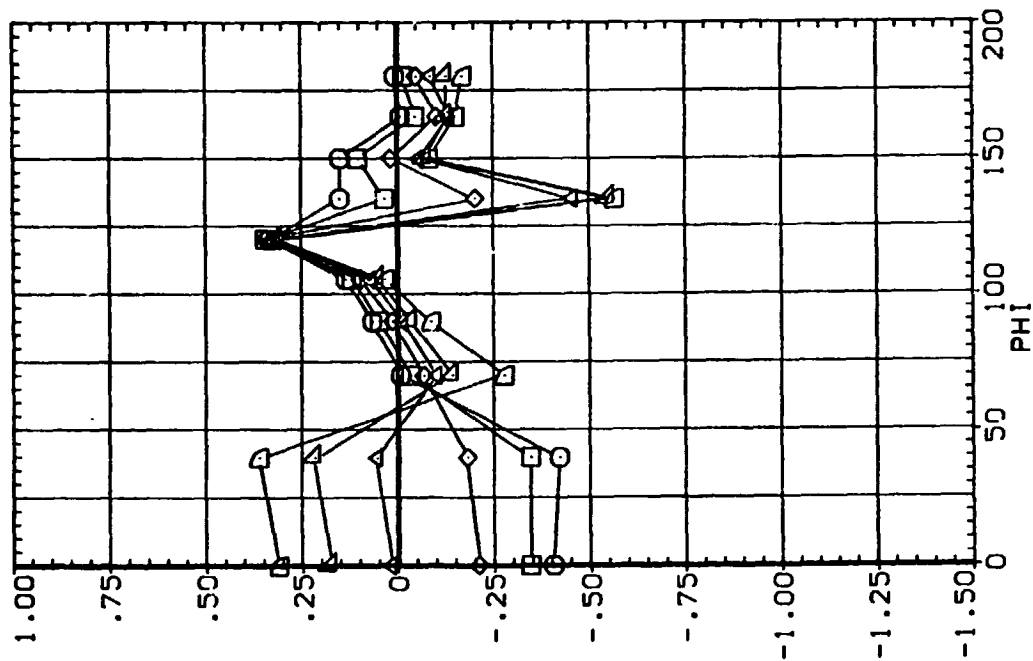
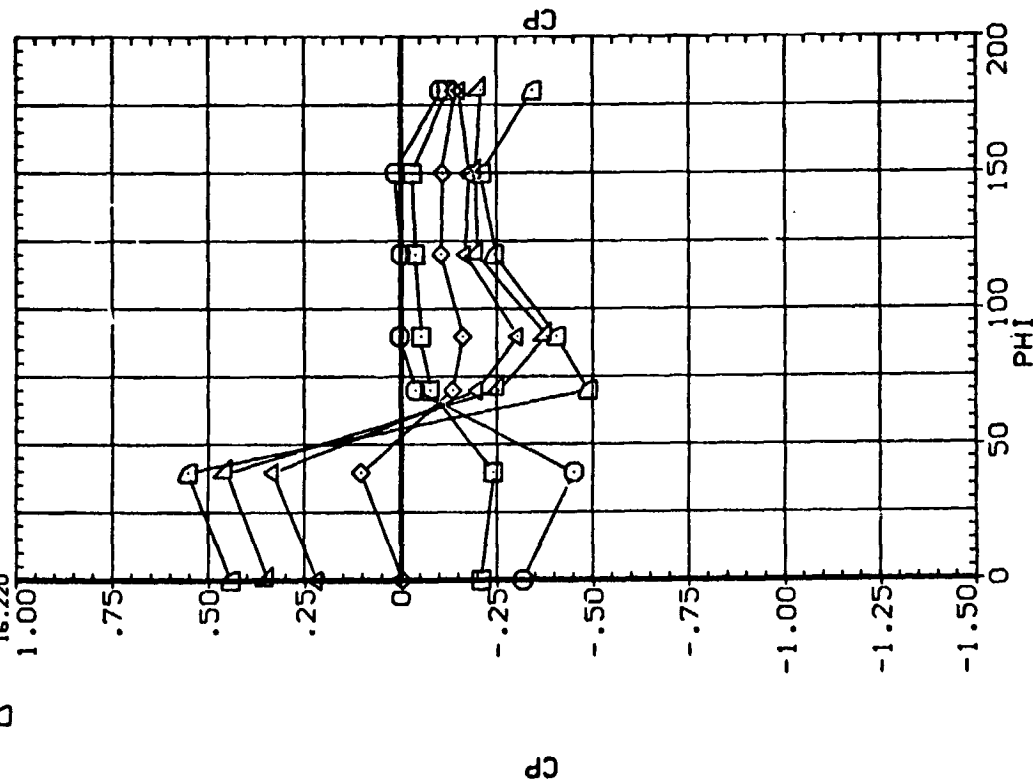


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA X/LB BETA
-2.980 .825 -10.060
.020 .884
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

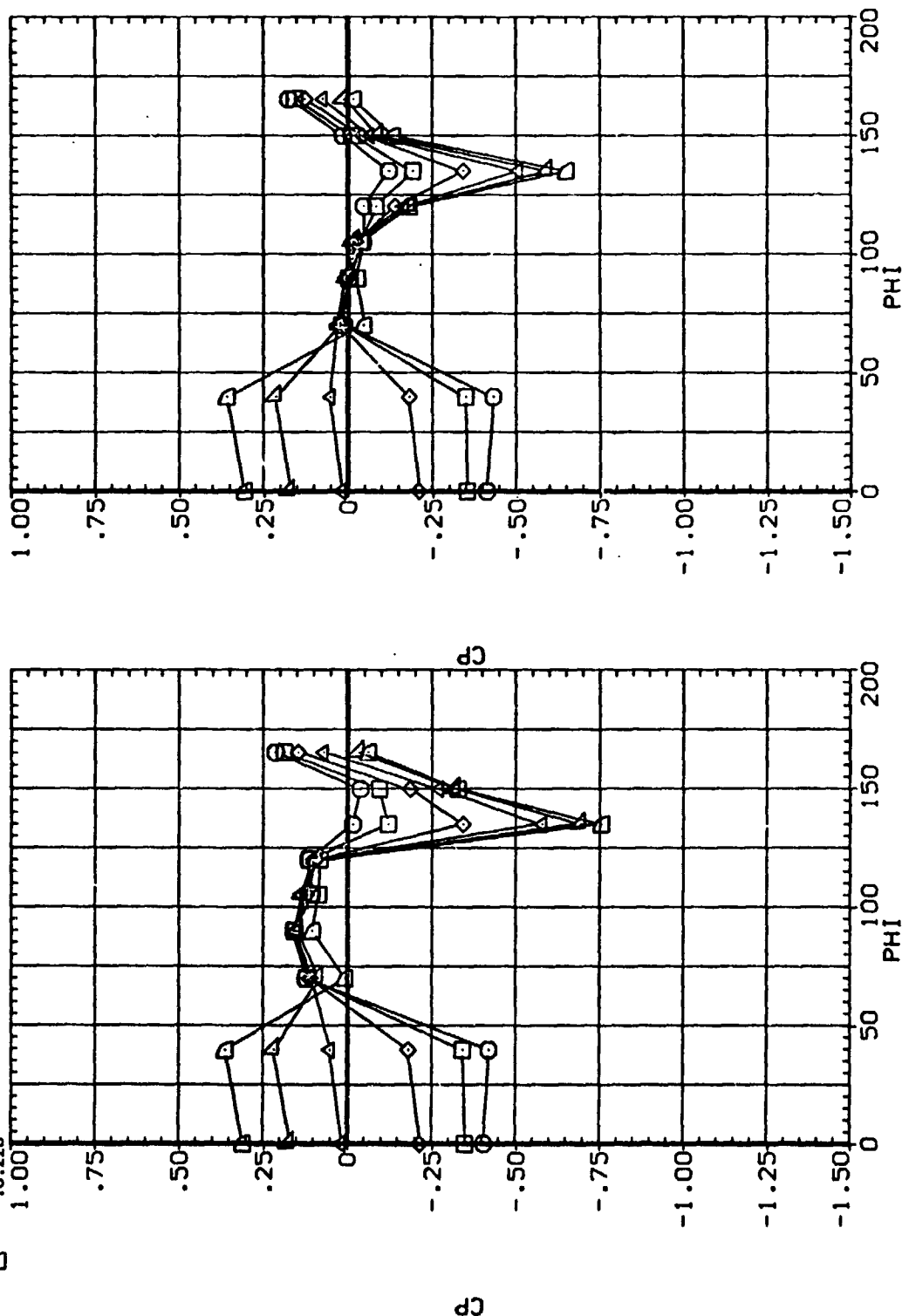


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10
PAGE 209

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0803)

SYMBOL
□ □ ◇ △ △ ▽

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

X/LB
.926
.965

BETA
-10.060

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

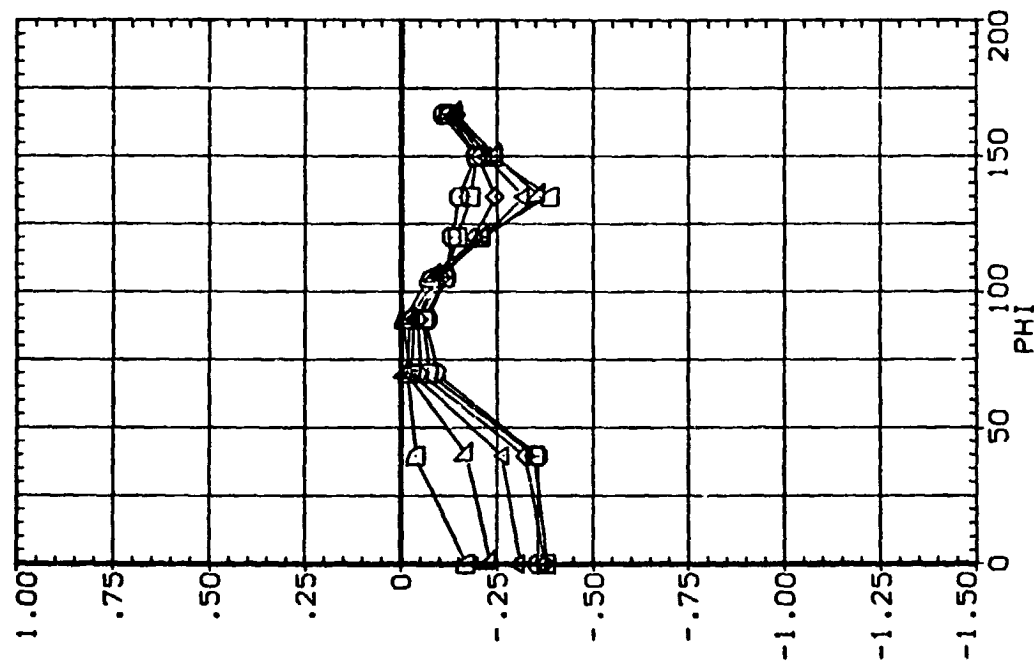
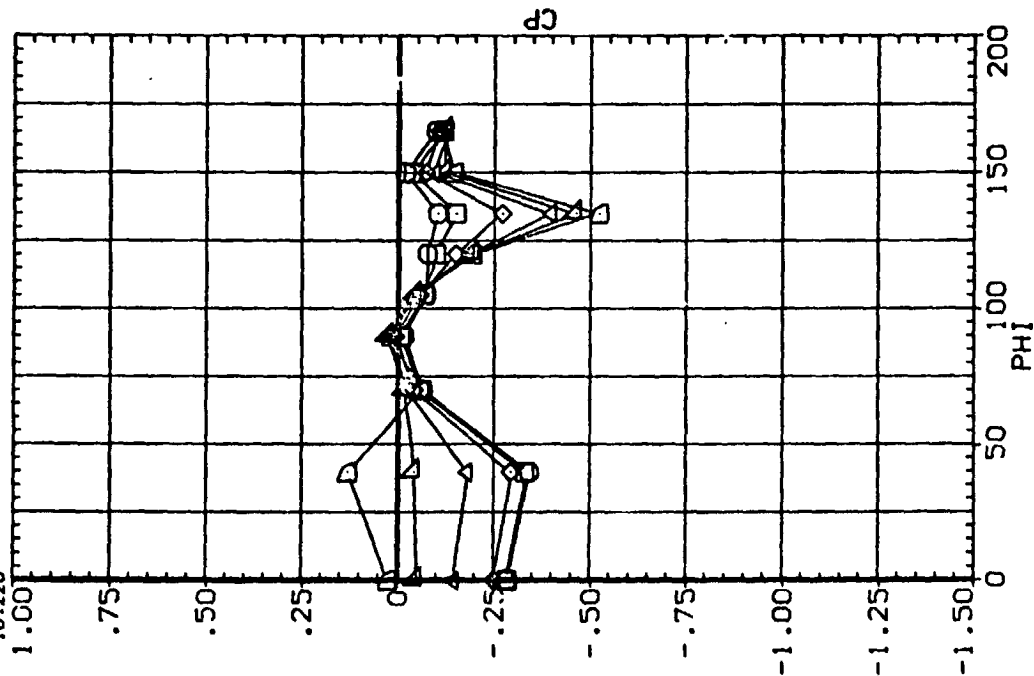


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0Q804)

SYMBOL	ALPHA	X/LB	BETA	ELEVON	RUDDER	BETA
□	-2.950	.008	-.010	.000	.000	.000
◇	.050	.023				
△	5.030					
▽	10.100					
◊	13.220					
◻	16.240					

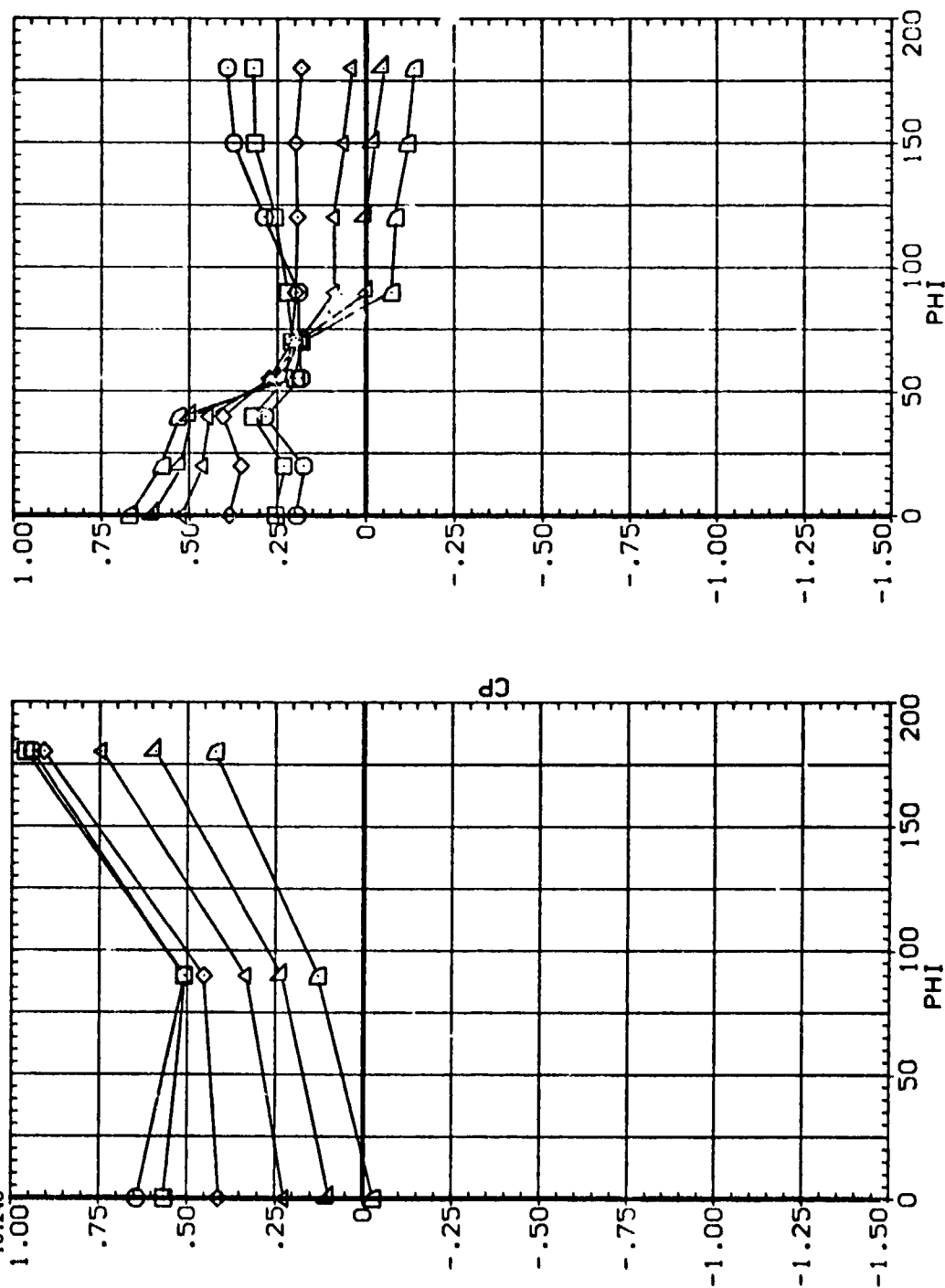


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB04)

SYMBOL
 □ ◇ △ ▽ ▹

ALPHA X/LB BETA
 -2.950 .047 -.010
 .050 .070
 5.030
 10.100
 13.220
 16.240

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA .000

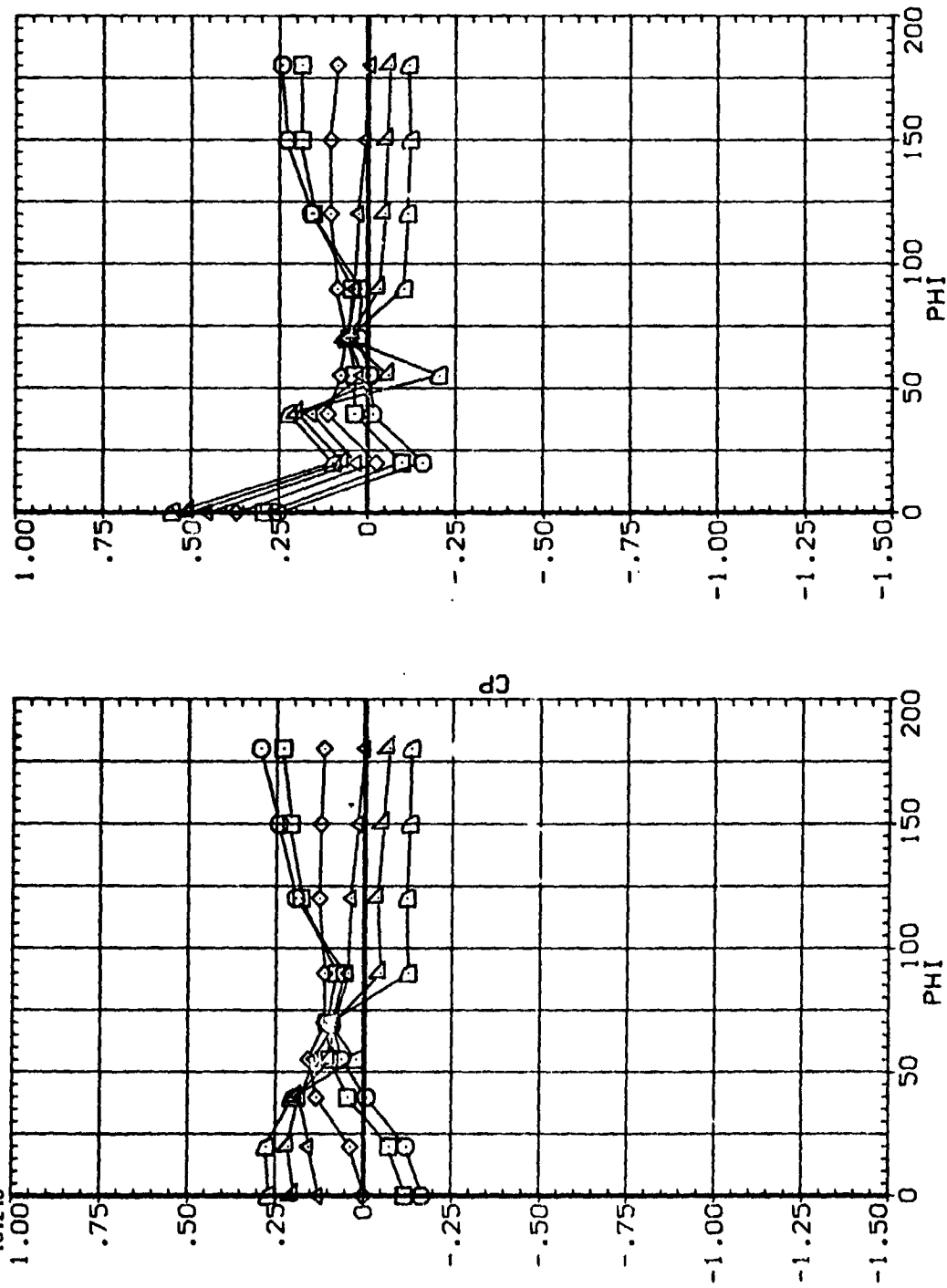


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0804)

SYMBOL
□ ◇ △ ▽ ▢

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

X/LB
.112
.147

BETA
-.010

PARAMETRIC VALUES
ELEVON
BDCLAP

.000
-14.250
BETA

.000
.000

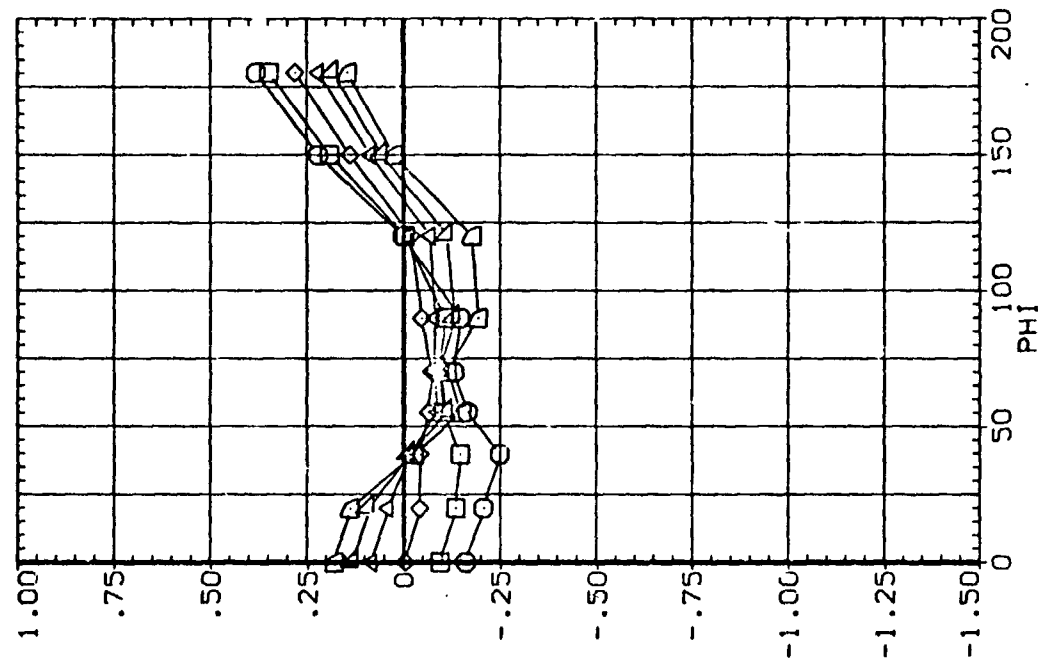
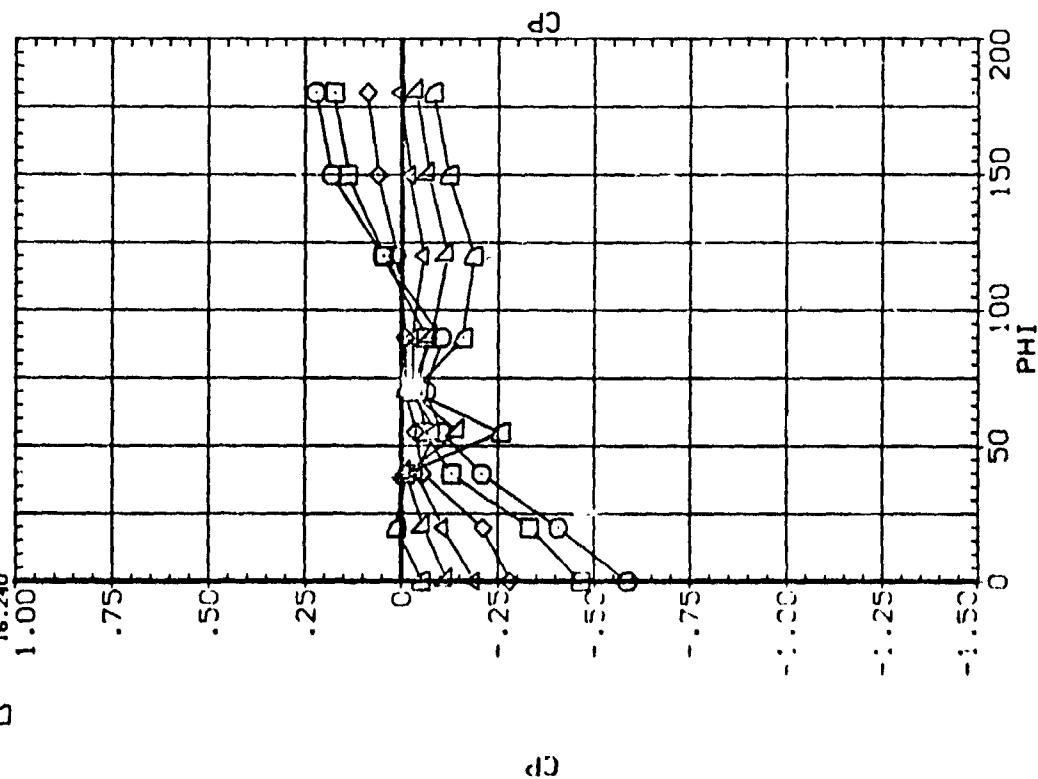


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00804)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA X/LB BETA
-2.950 .186 -.010
.050 .236
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▿

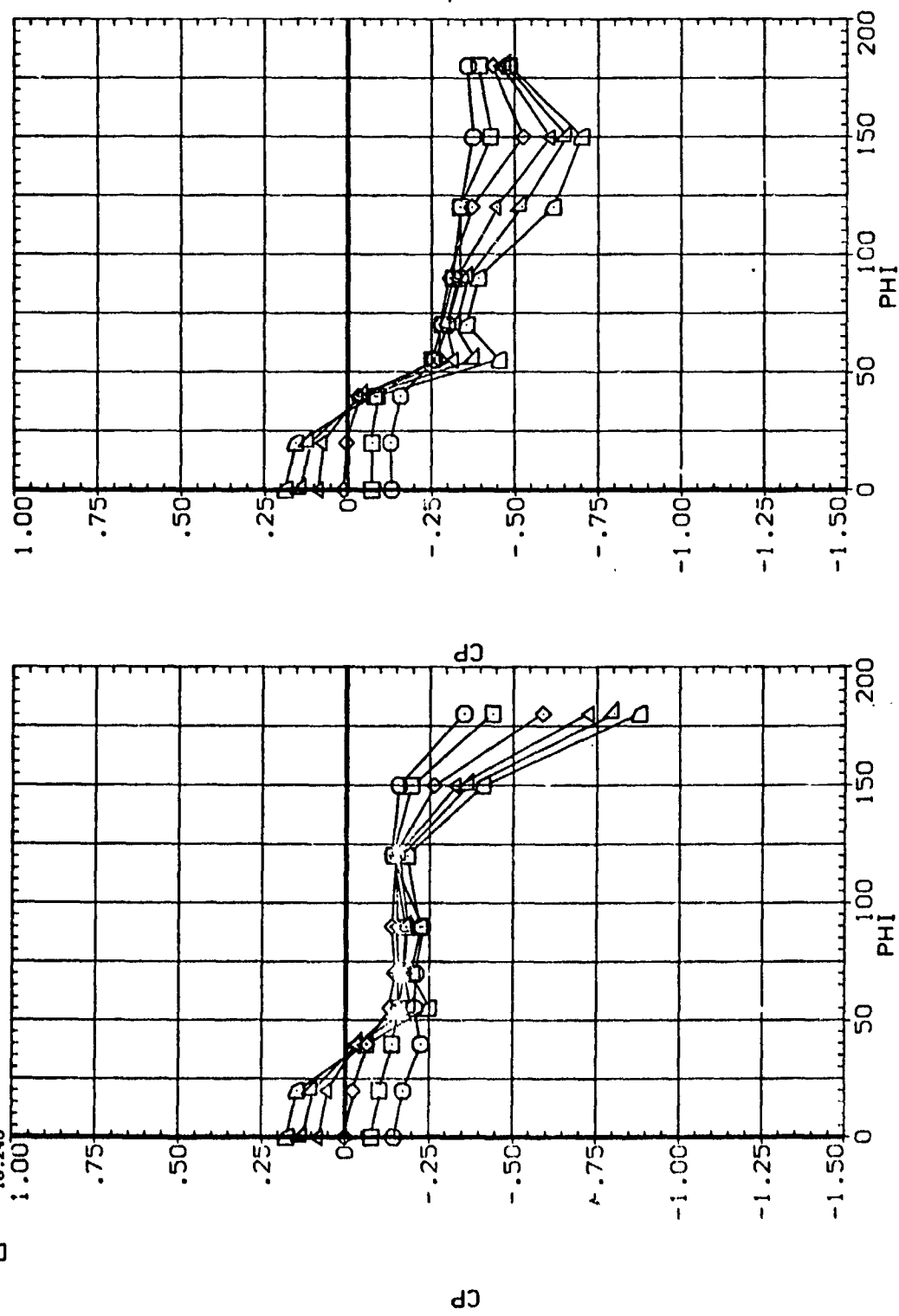


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00804)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA
-2.950
.050
5.030
10.00
13.220
16.240

X/LB
.302
.380

BETA
-.010

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA .000

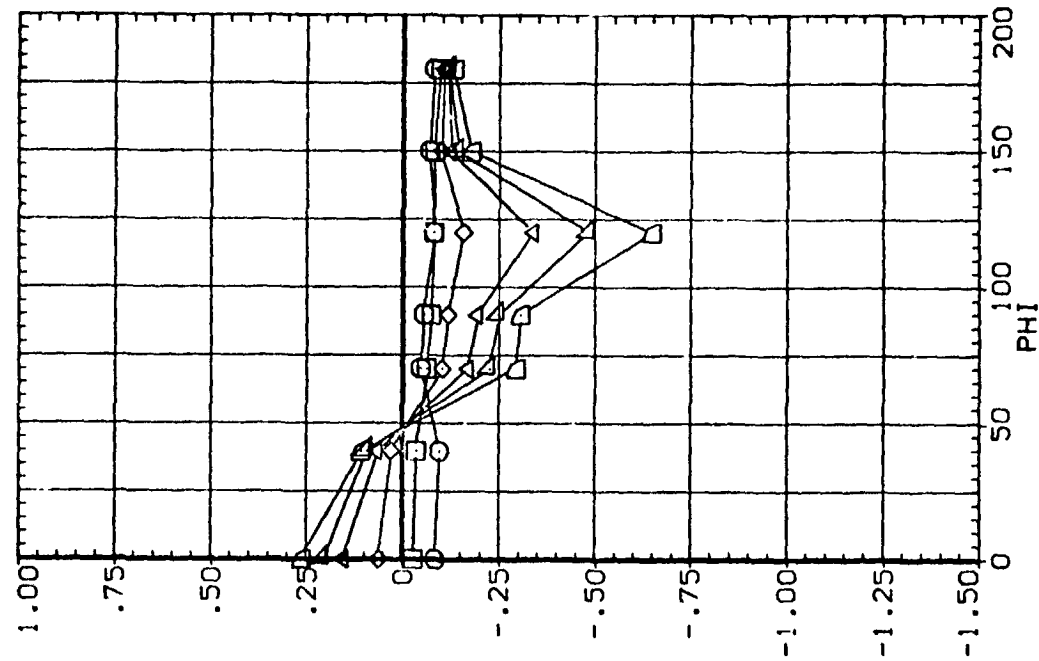
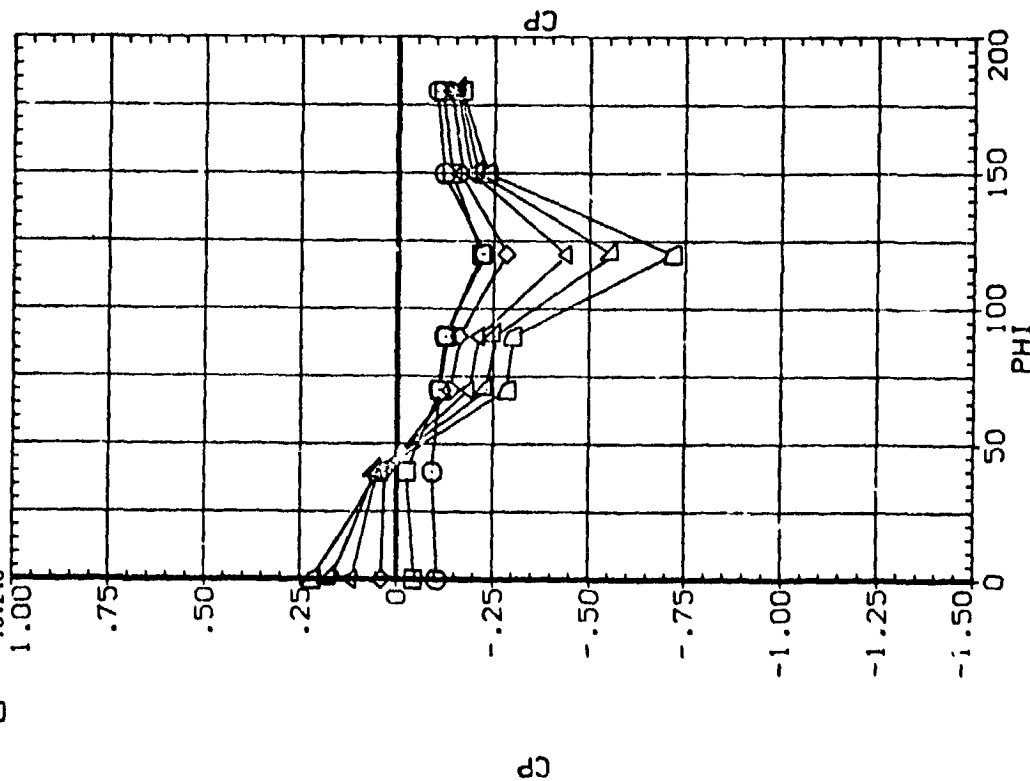


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA X/LB BETA
-2.950 .500 -.010
.050 .655
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹ ▸

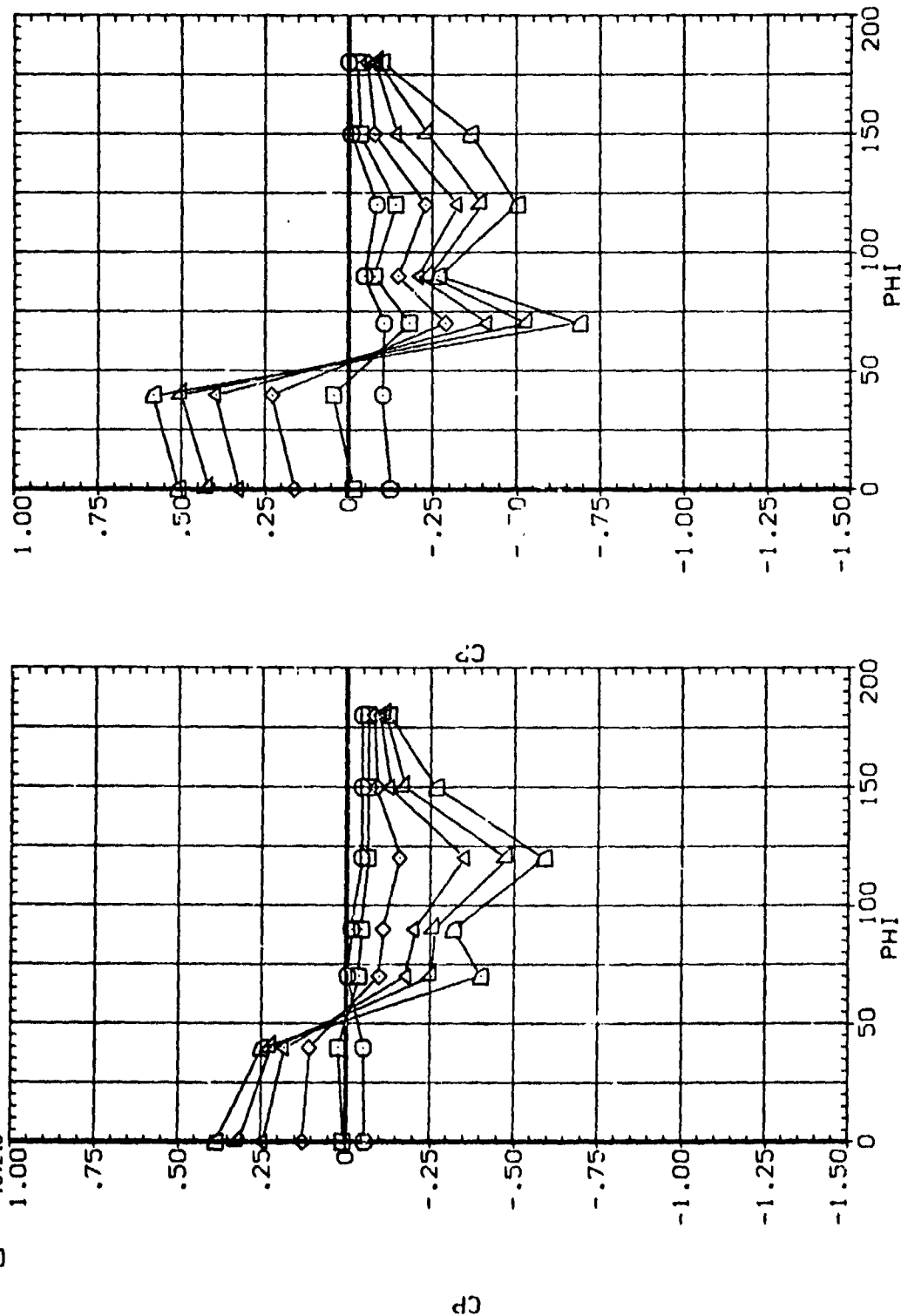


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQ804)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA X/LB BETA
-2.950 .732 -.010
.050 .783
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▢

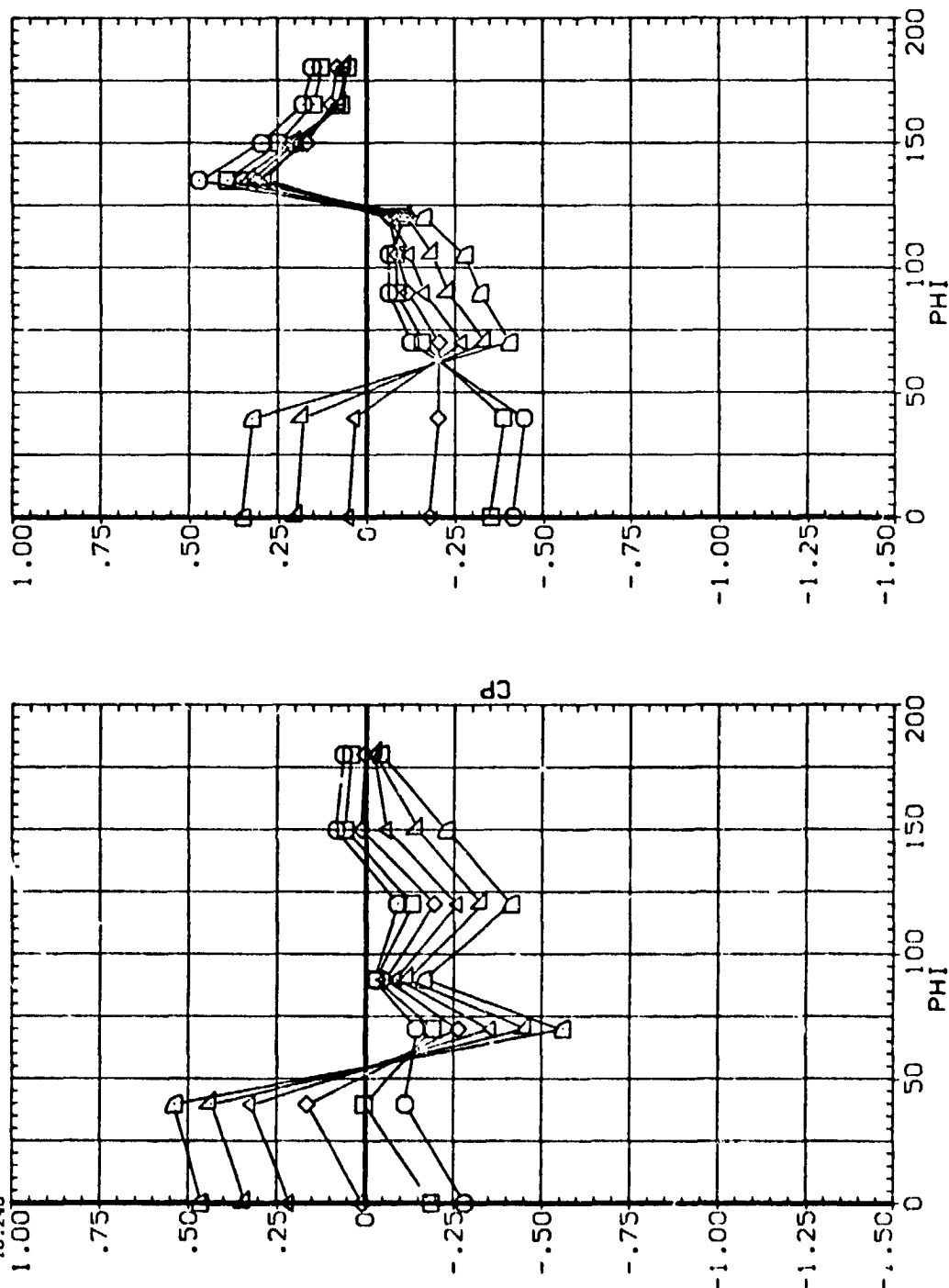


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(RDQB04)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA X/LB BETA
-2.950 .825 -.010
.050 .884
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹

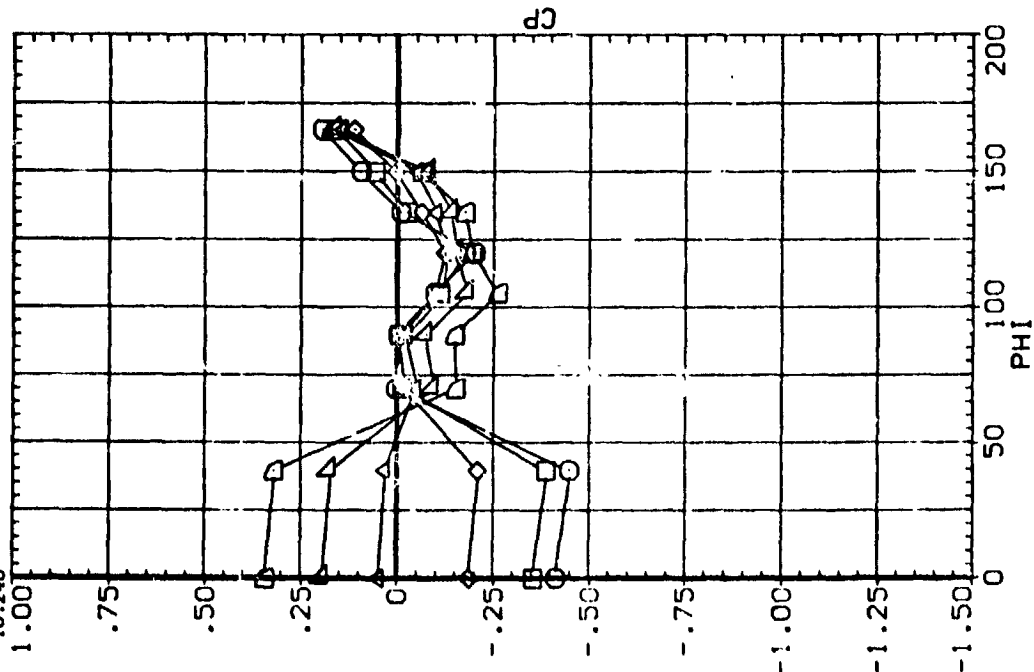
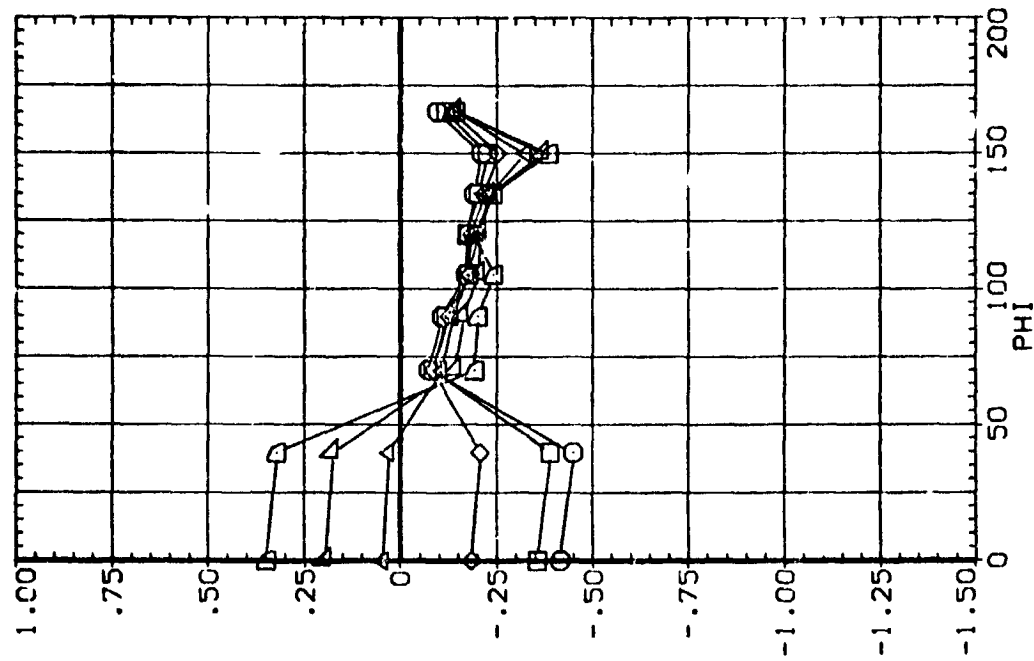


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

PARAMETRIC VALUES		
ELEVON	.000	RUDDER
BDFLAP	-14.250	BETA
		.000

SYMBOL	ALPHA	X/18	BETA
□	-2.950	.926	-.010
◇	.050	.965	
△	5.030		
◊	10.100		
◊	13.220		
◊	16.240		

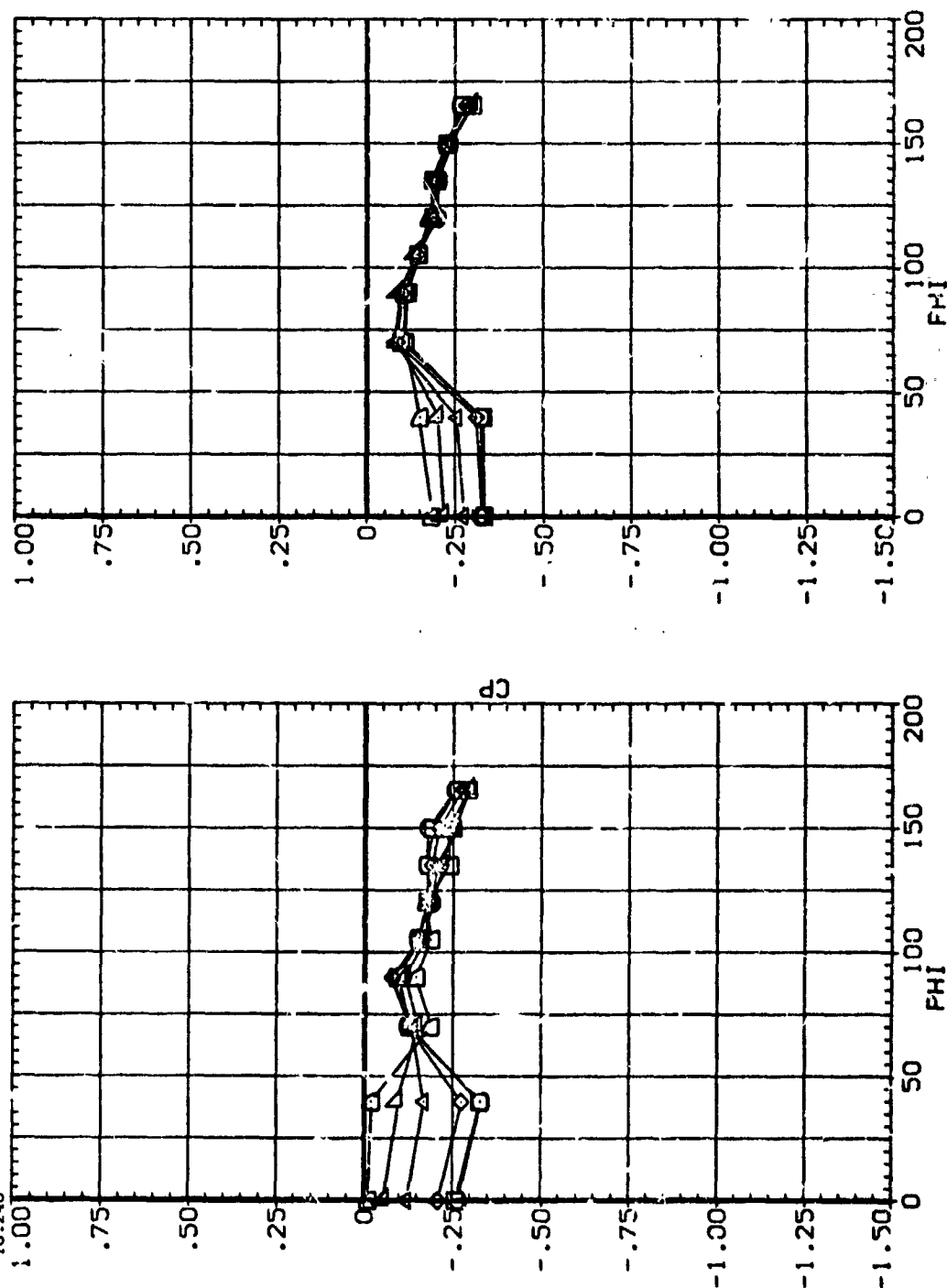


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = 0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

B26C9J15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0QB05)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA X/1 B BETA
-2.970 .008 10.050
.030 .023
5.020
10.120
13.190
16.220

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

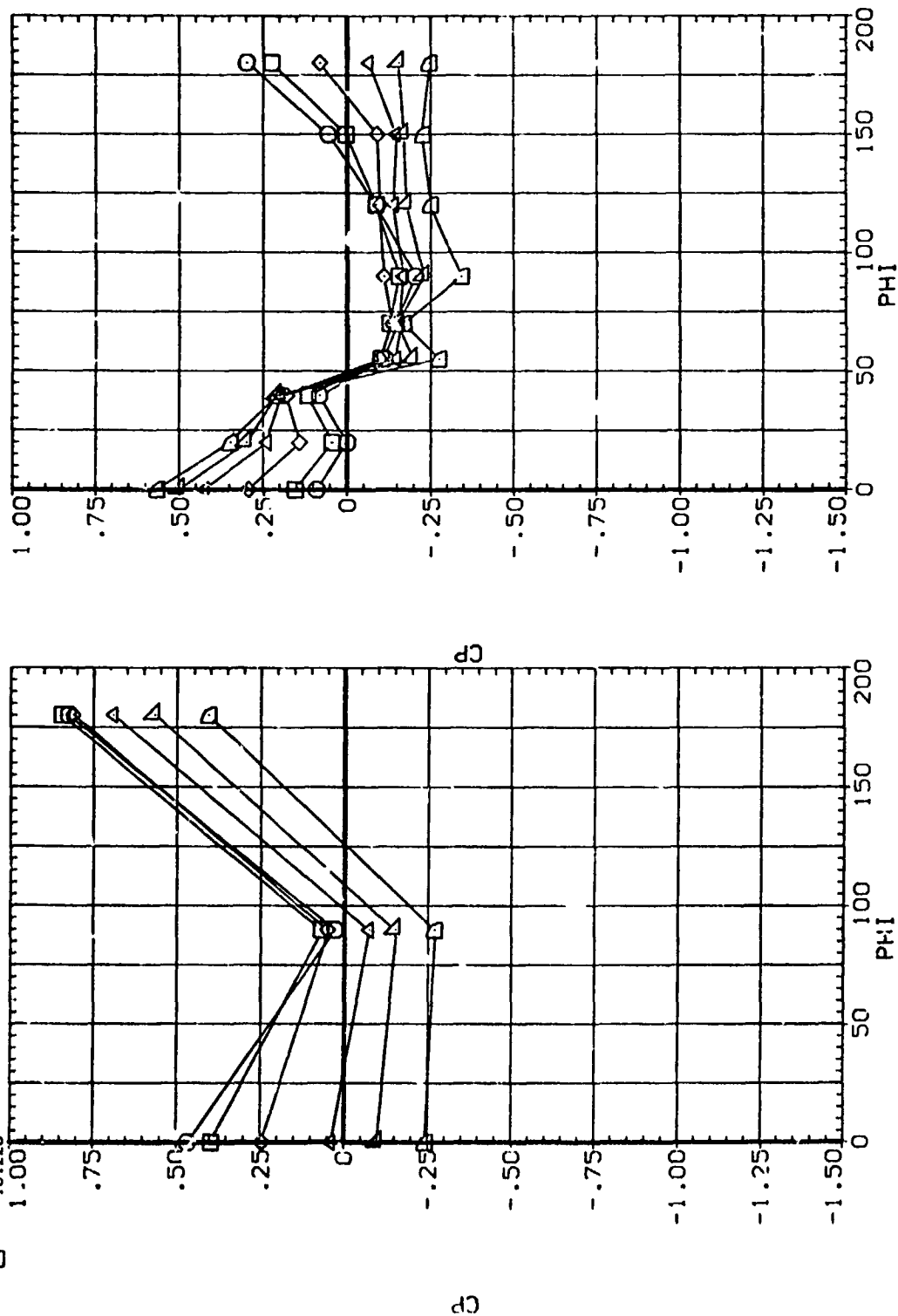


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00805)

SYMBOL	ALPHA	X/LB	BETA	PARAMETRIC VALUES			
				ELEVON	RUDDER	BETA	
□	-2.970	.047	10.050	.000	.000	10.000	
◇	.030	.070					
△	5.020						
▽	10.120						
◊	13.190						
◊	16.220						

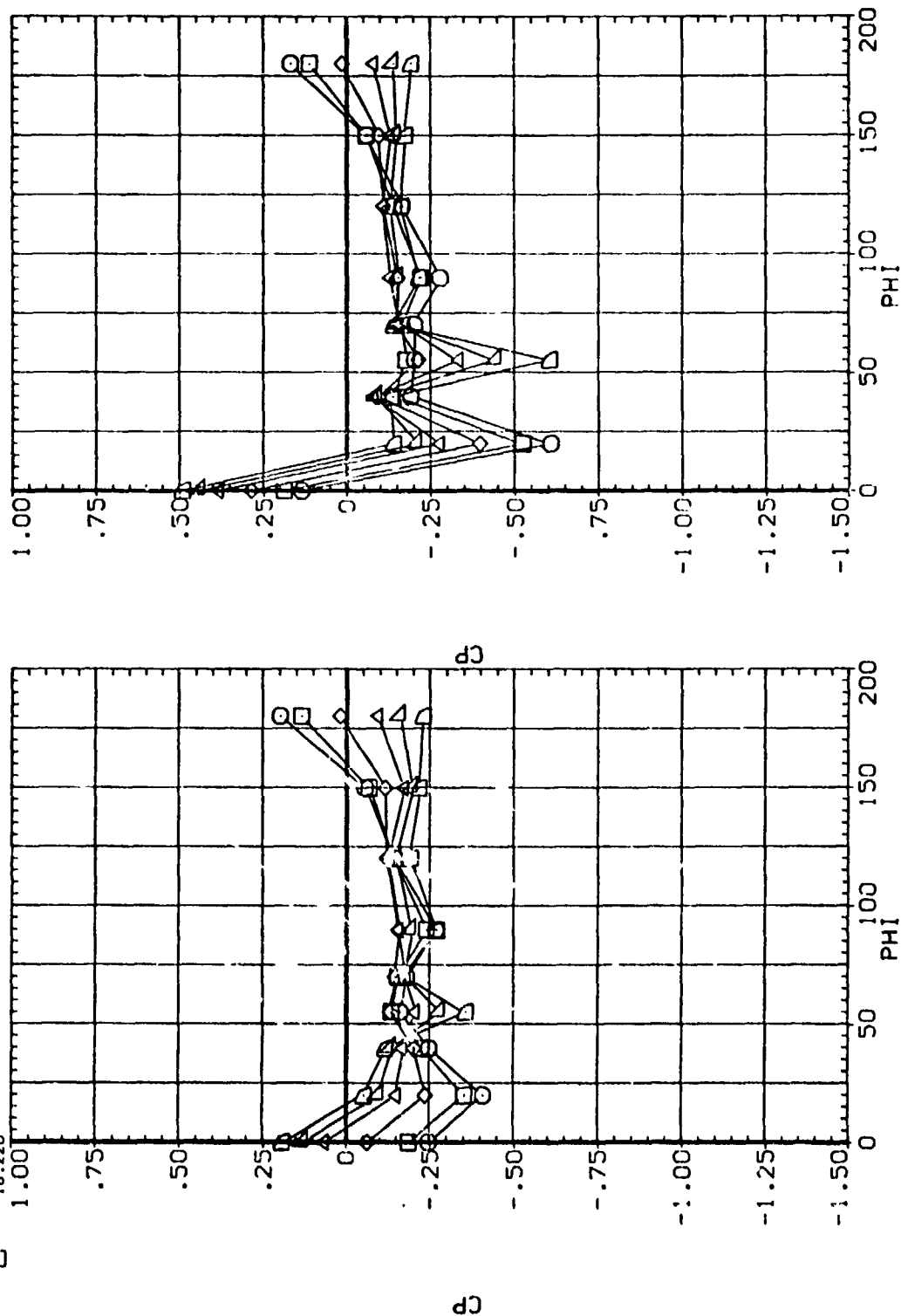


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0805)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA X/LB BETA
-2.970 .112 10.050
.030 .147
5.020
10.170
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

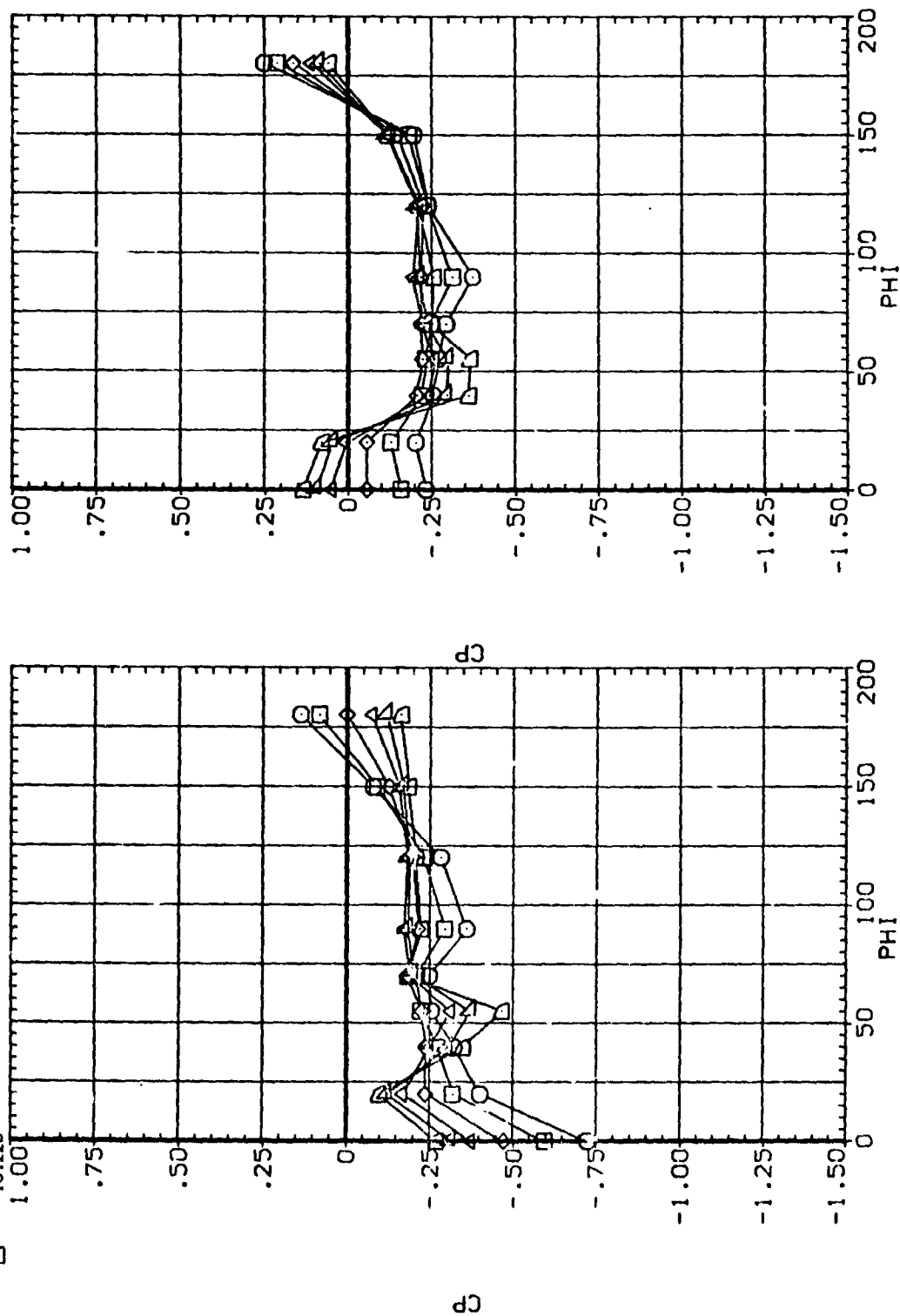


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B05)

SYMBOL
 □ ◇ △ ▽ ▿

ALPHA X/LB BETA
 -2.970 .186 10.050
 -.030 .236
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

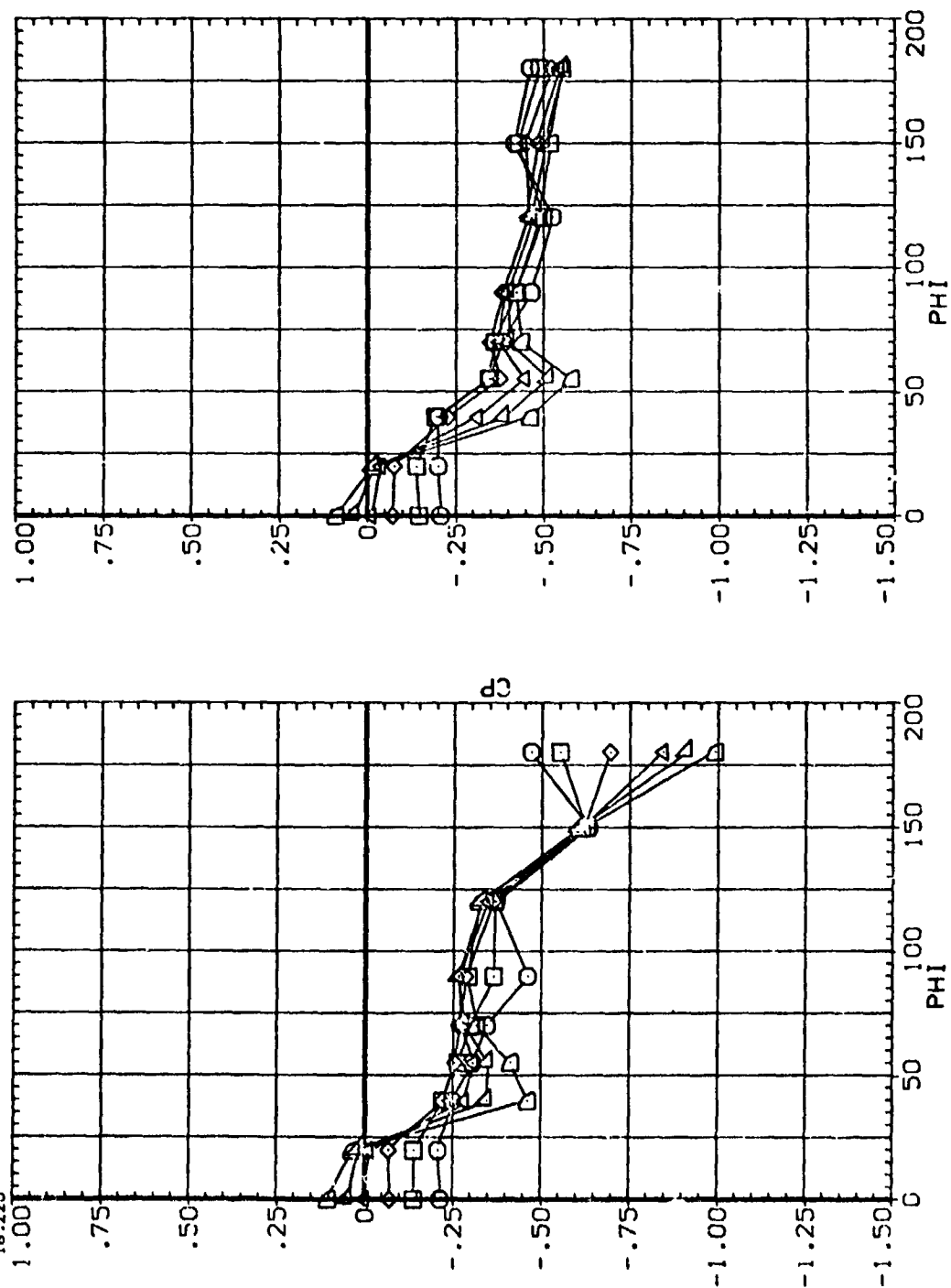


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00805)

SYMBOL
□ ◇ △ ▽ ▹

ALPHA X/LB BETA
-2.970 .302 10.050
-.030 .380
5.020
10.120
13.190
16.270

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA 10.000

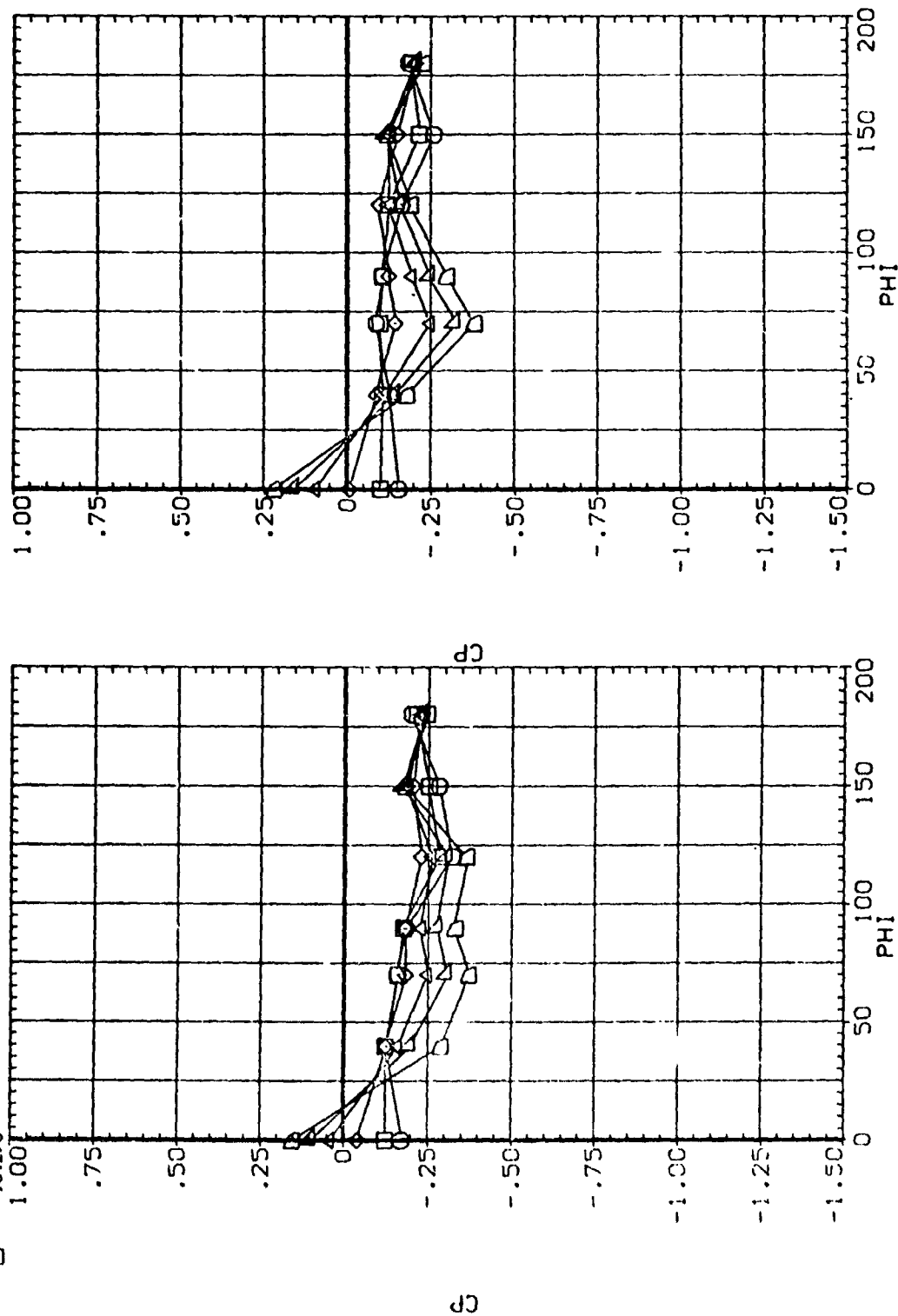


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST. ALPHA EFFECT, ELEVON = 0, BETA = +10

B26L9G15M7F8W116E26V8R3X9 LEFT FUSELAGE

(R00805)

SYMBOL	ALPHA	X/LB	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES	RUDDER	BETA
○	-2.970	.500	10.050	.000			.000	.000
□	.030	.655						10.000
◇	5.020							
△	10.120							
▽	13.190							
◻	16.220							

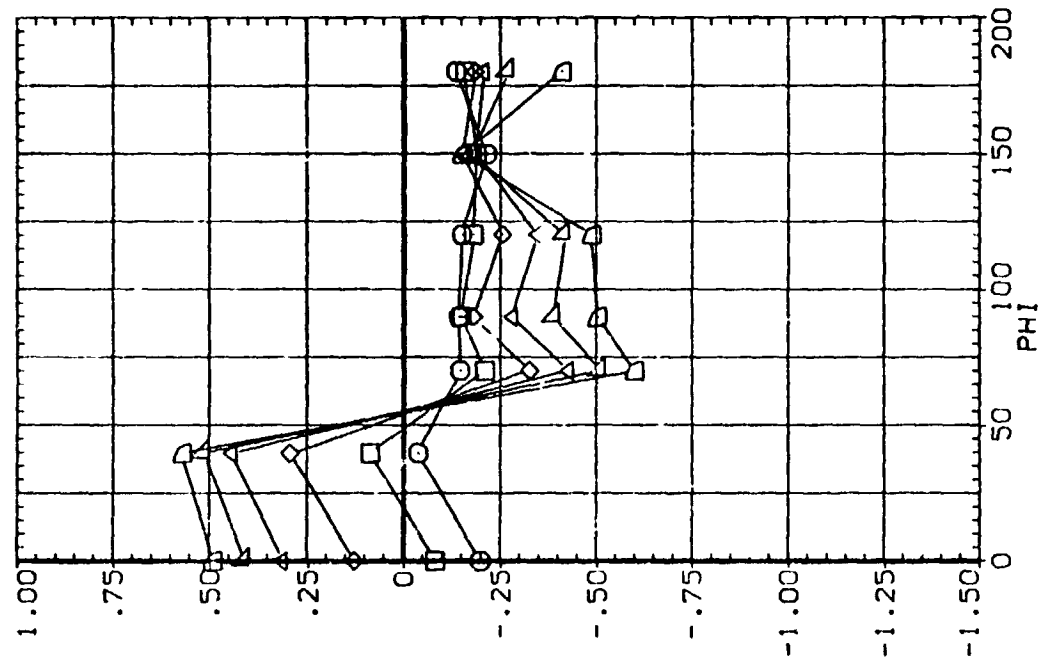
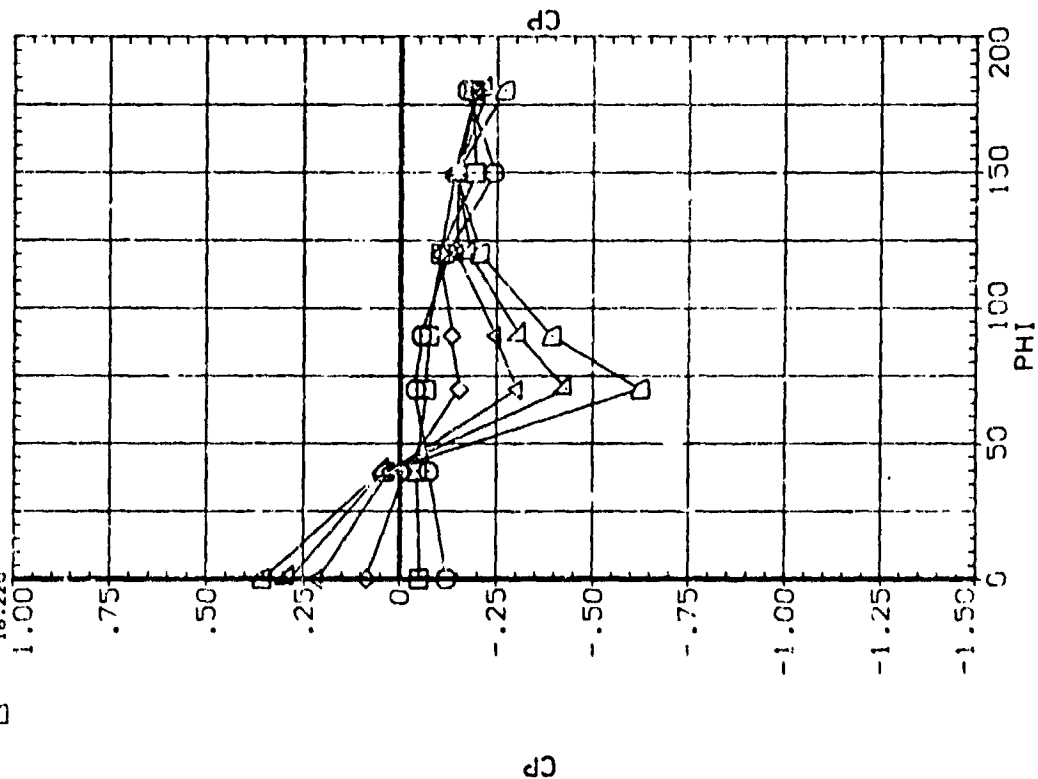


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0805)

SYMBOL
□ ◇ △ ▽ ▹

ALPHA
-2.970
-0.30
5.020
10.120
13.190
16.220

X/LB
.732
.783

BETA
10.050

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

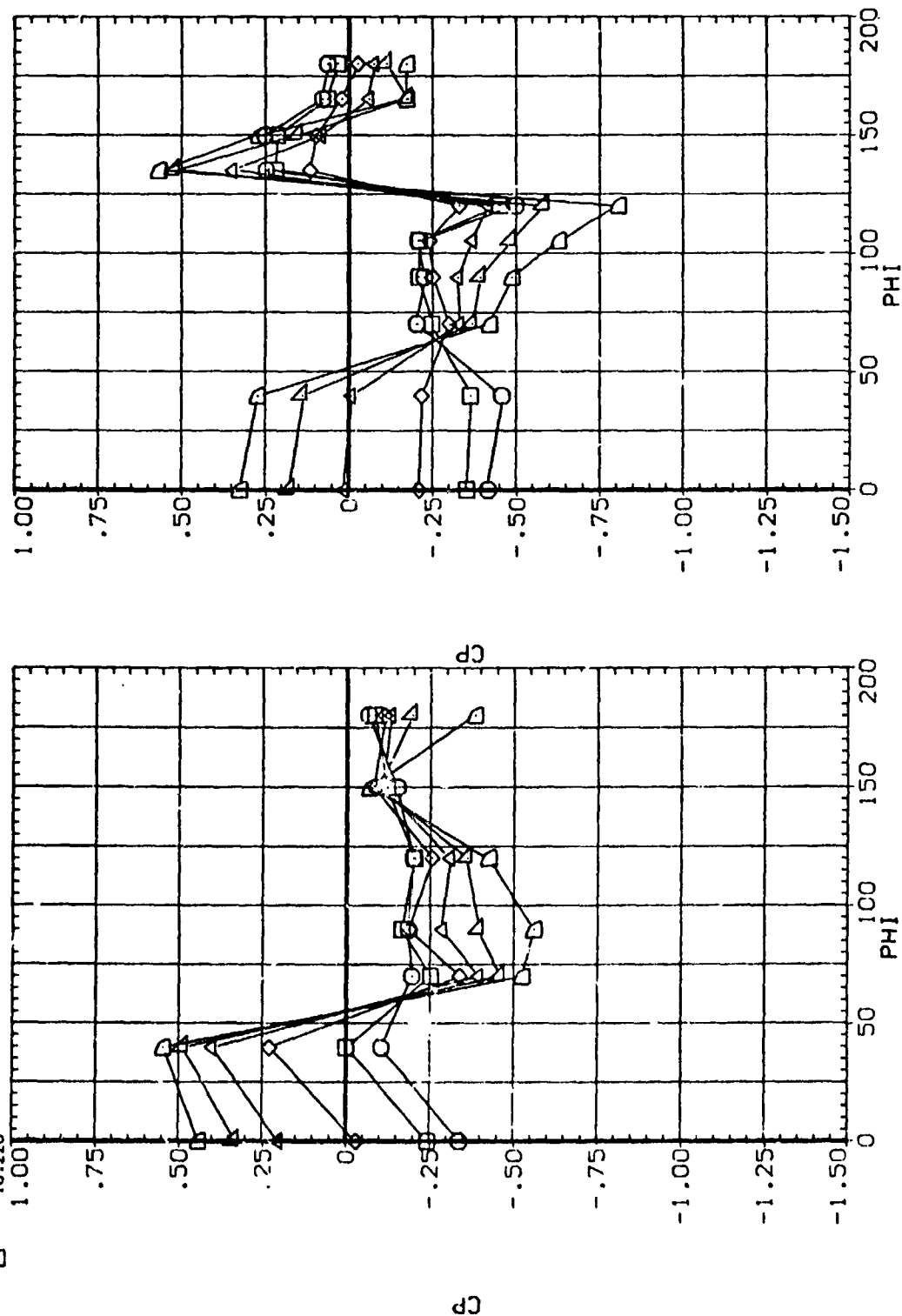


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10
PAGE 226

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDL8U5)

SYMBOL
 ○ □ ◇ △ ▽

ALPHA
 -2.970
 .030
 5.020
 10.120
 13.190
 16.220

X/LB
 .825
 .884

BETA
 10.050

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA 10.000

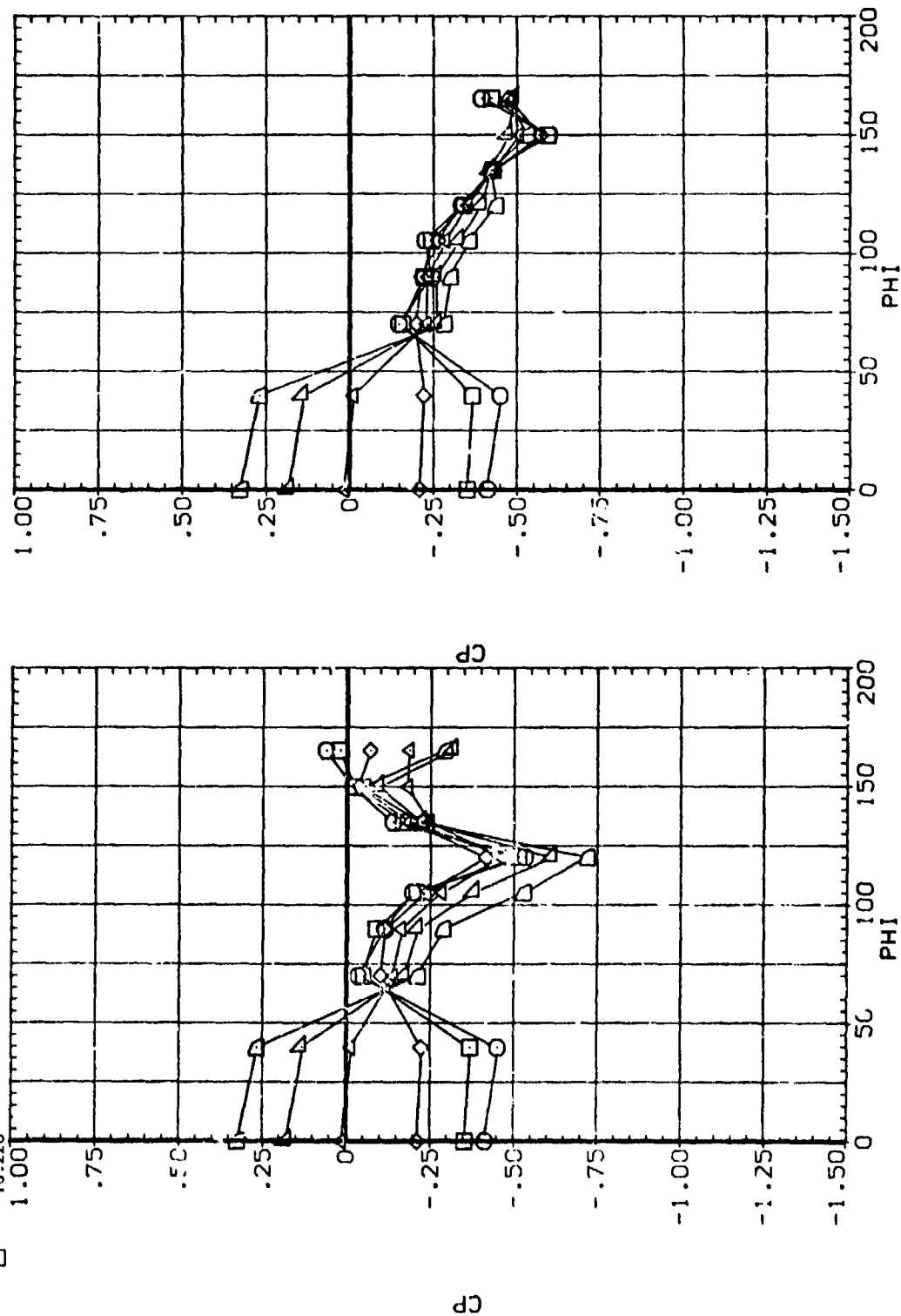


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB05)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

X/LB
.926
.965

BETA
10.050

PARAMETRIC VALUES
ELEVON
80FLAP
-14.250

RUDDER
BETA
.000
10.000

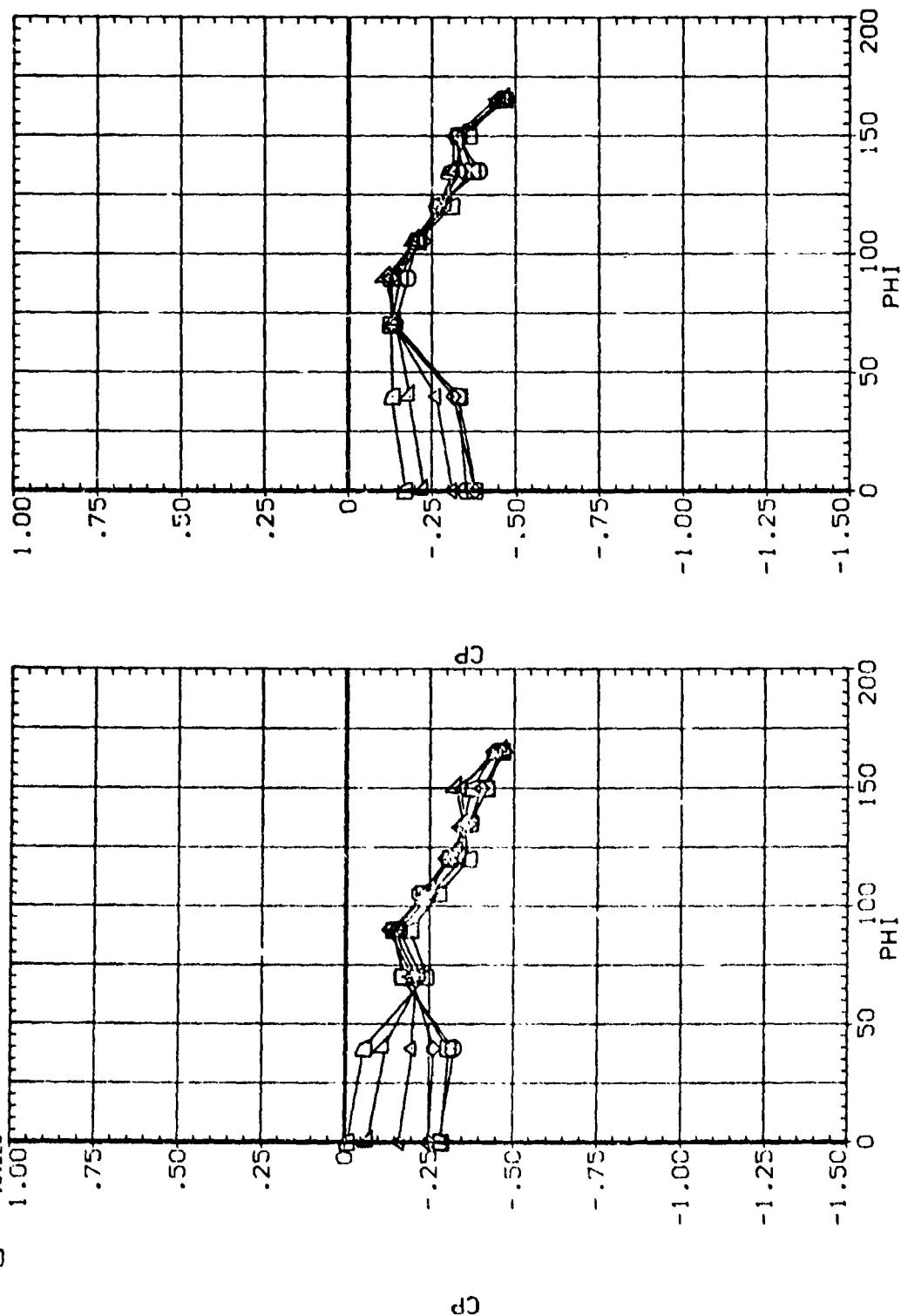


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +0



SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	-2.980 .020 5.020	.239	-10.060	ELEVON BDFLAP	.000 -14.250 RUDDER BETA .000 -10.000

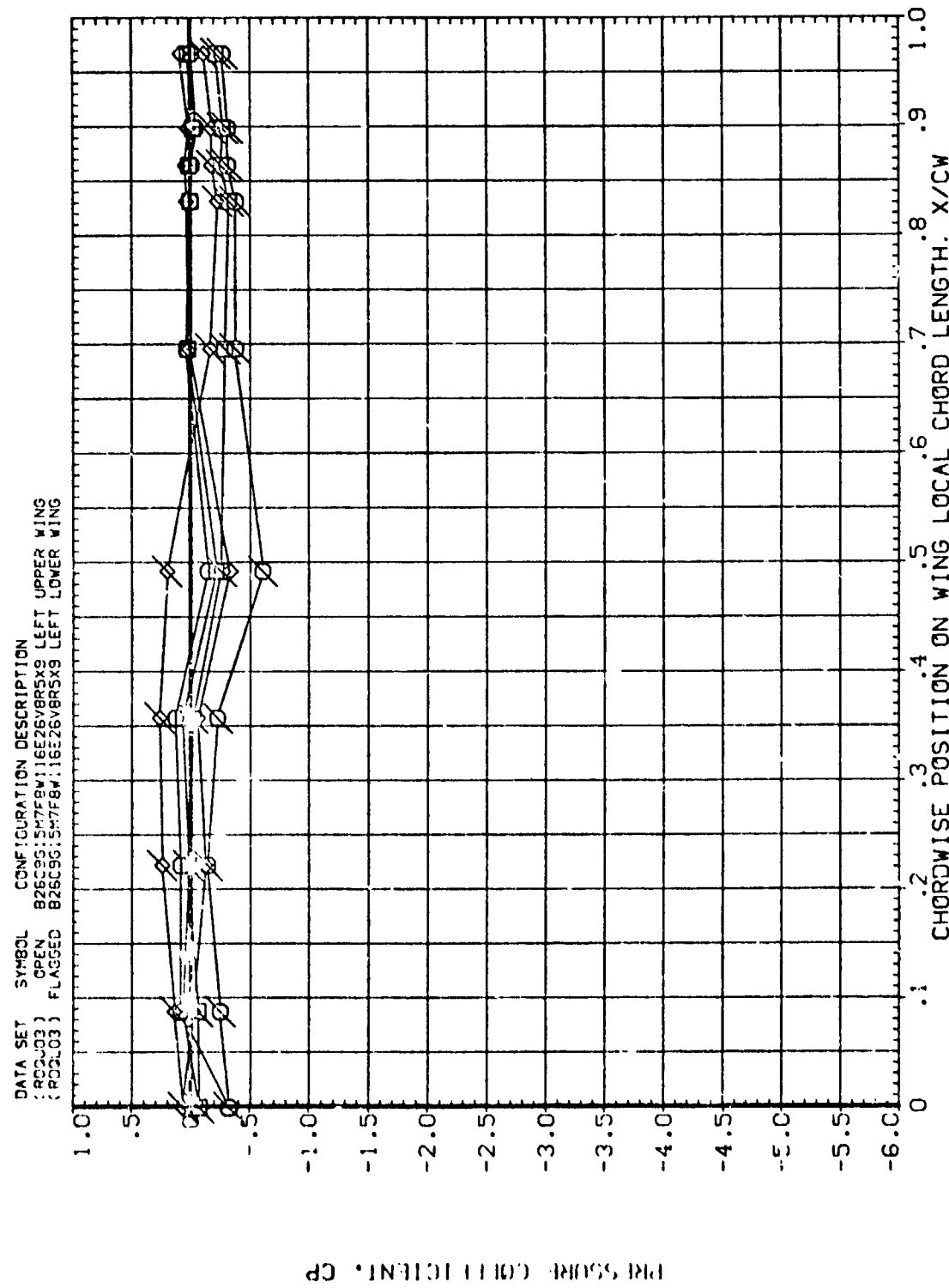


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

PAGE 229

SYMBOL ALPHA
 10.090
 13.190
 16.220

1/BW BETA
 .299 -10.060

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

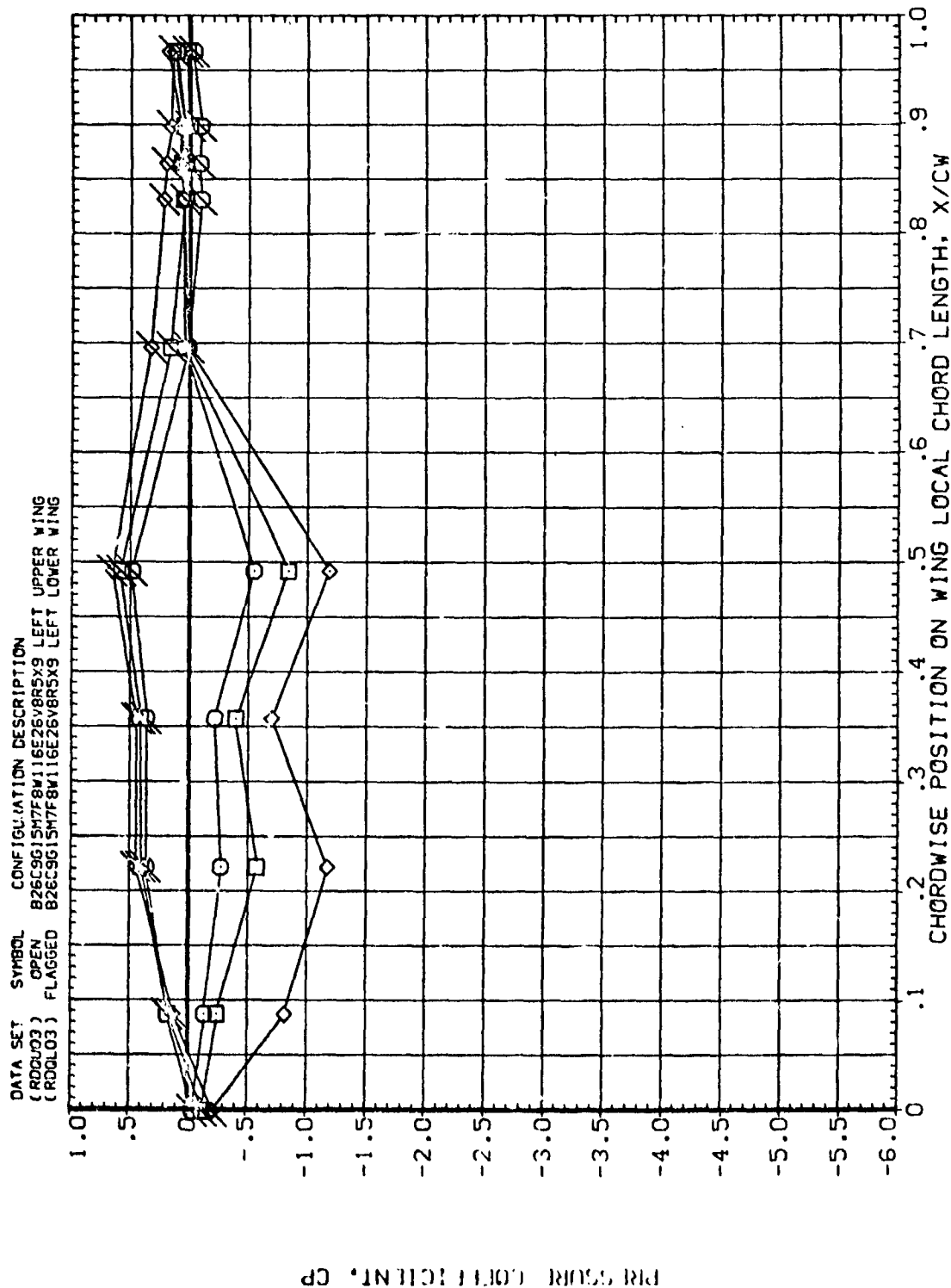


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	-2.980	.352	-10.060	.000	.000	RUDDER
□	.020			-14.250	BETA	-10.000
◇	5.020					

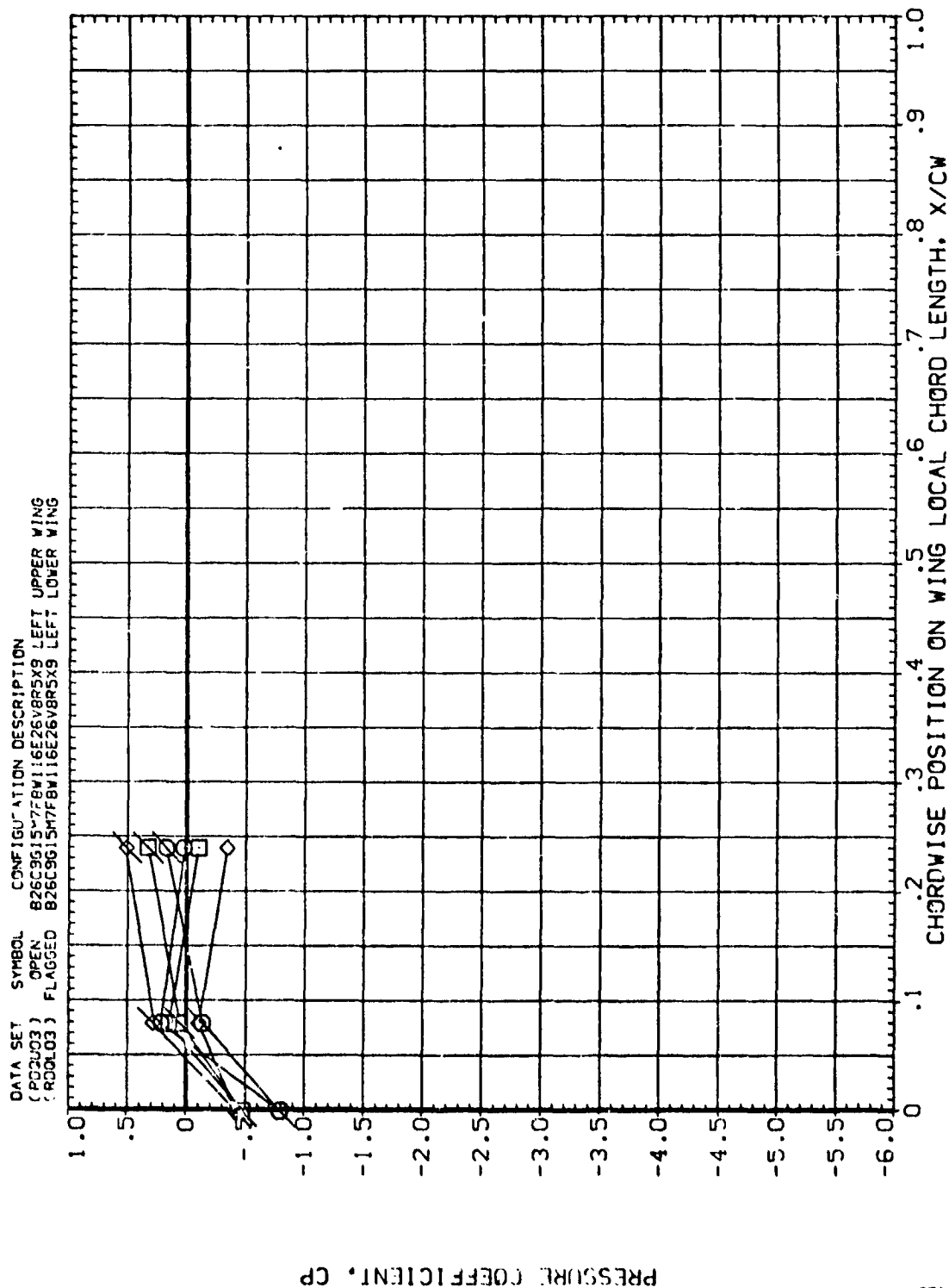


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL

ALPHA
10.090
13.190
16.220

Y/BV BETA
.352 -10.060

PARAMETRIC VALUES
ELEVON .000 RUDDER .C20
BDFLAP -14.250 BETA -10.000

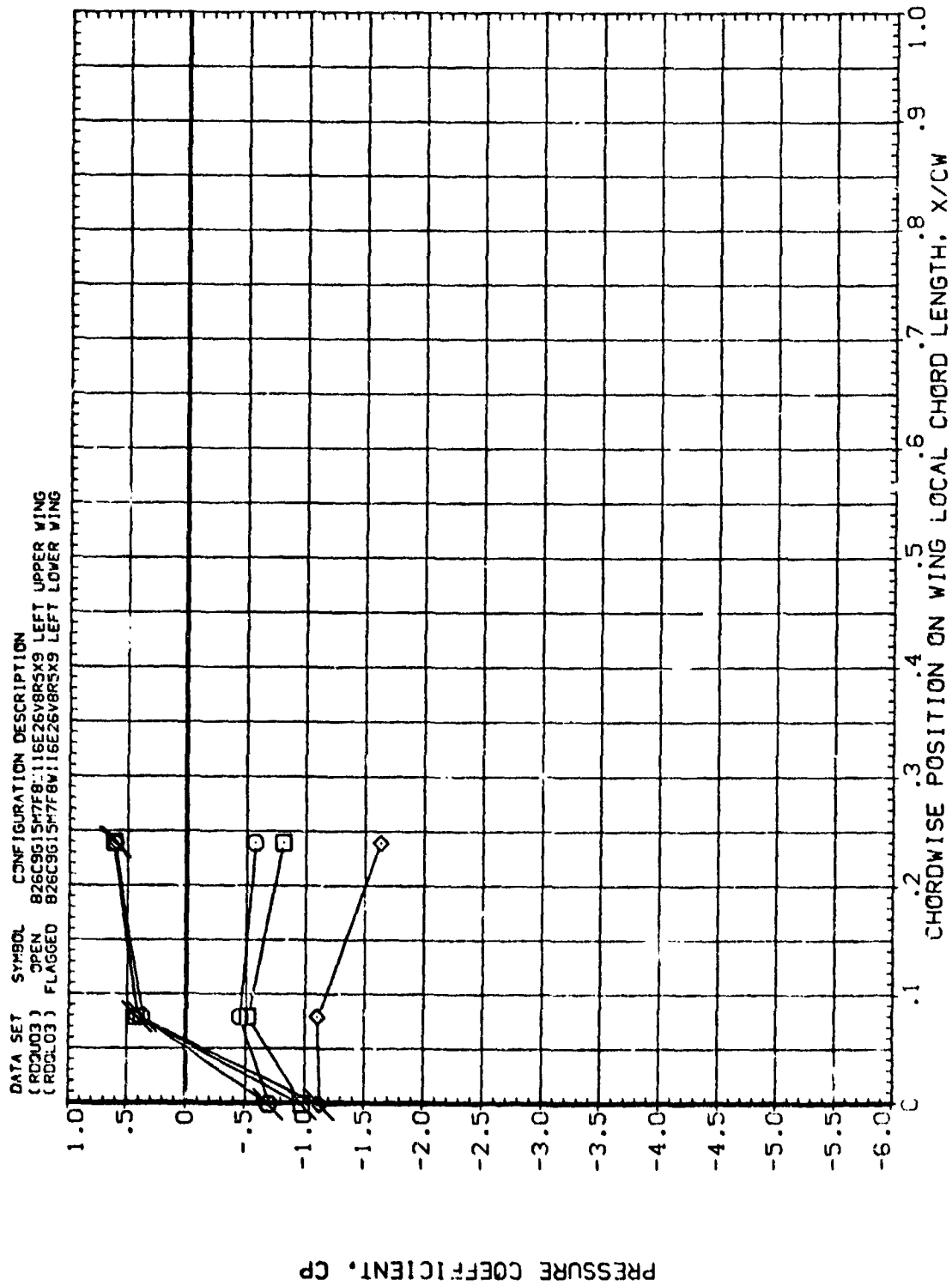


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
◇	-2.990	.405	-10.060	BDFLAP	.000 RUDCEP
□	.020				-14.250 BETA
◇	5.020				-10.000

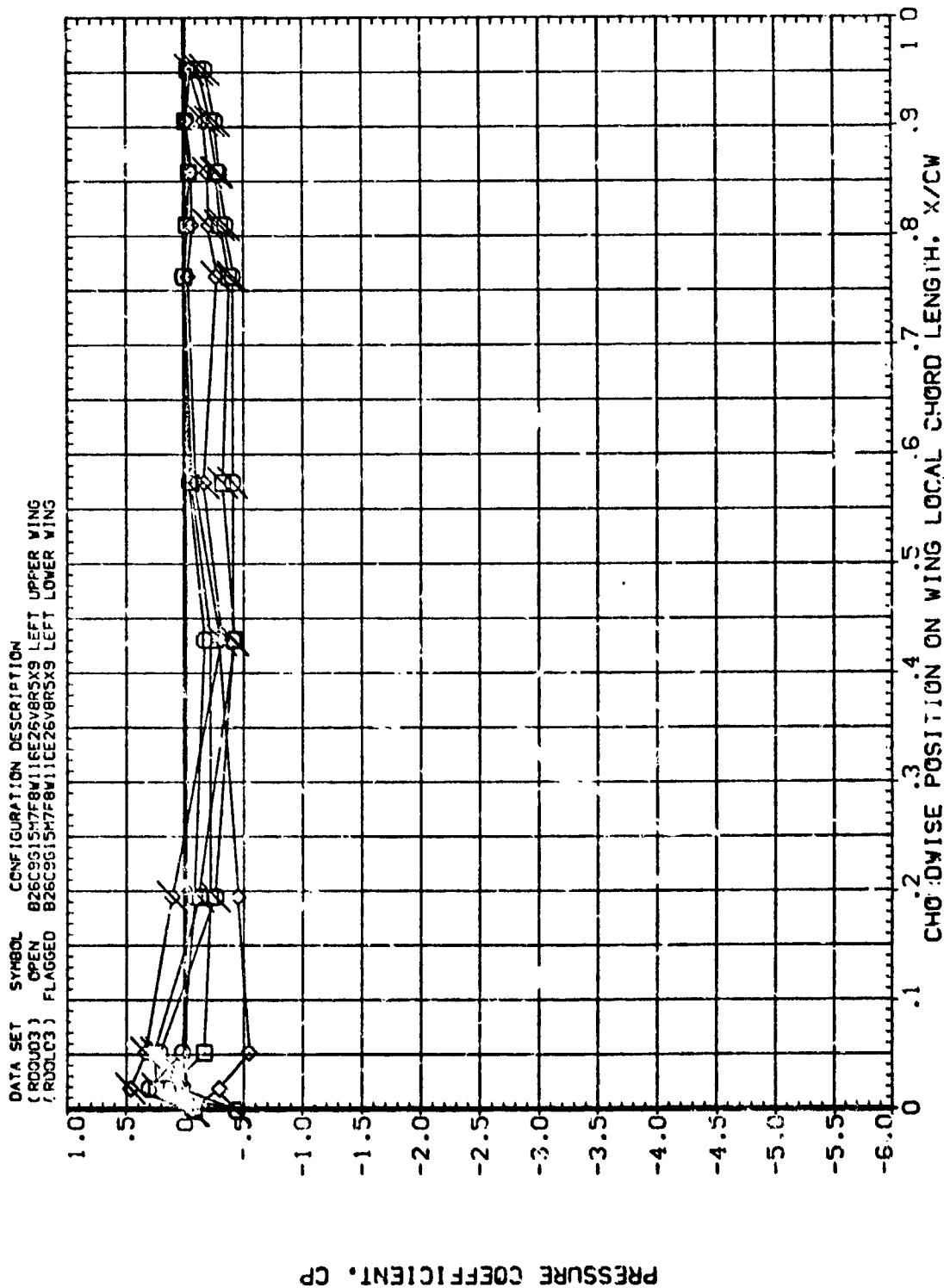


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL ALPHA Y/BV BETA
 ○ 10.090 .405 -10.060
 □ 13.190
 ◇ 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RDOJ03) OPEN B26C9G1547F8V116E26V8R5X9 LEFT UPPER WING
 (RDOJ03) FLAGGED B26C9G1547F8V116E26V8R5X9 LEFT LOWER WING

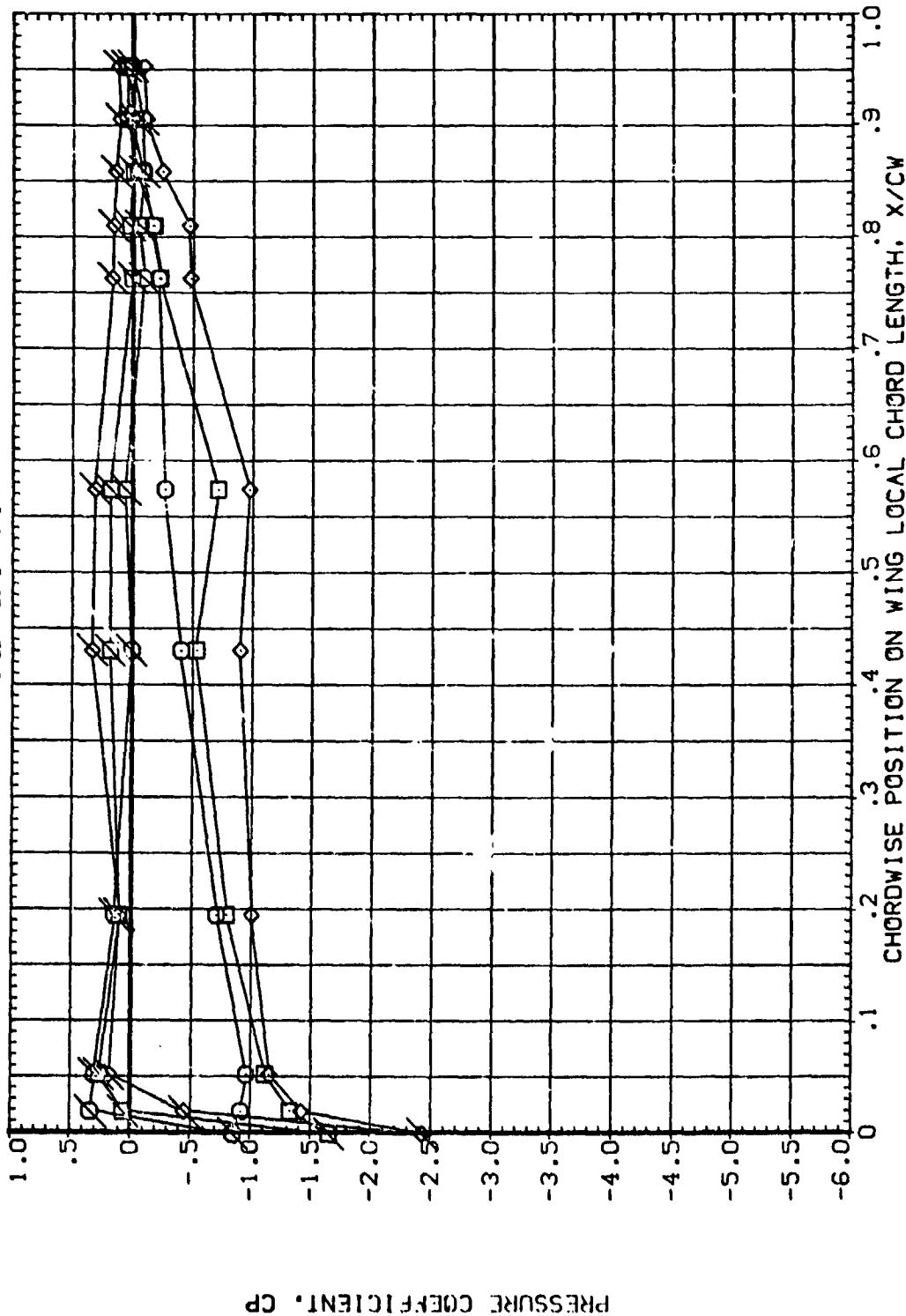


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL ALPHA Y/BV BETA ELEVON BDFLAP PARAMETRIC VALUES
 -2.980 .534 -10.060 .000 RUDDER .000
 .020 -14.250 BETA -10.000
 5.020

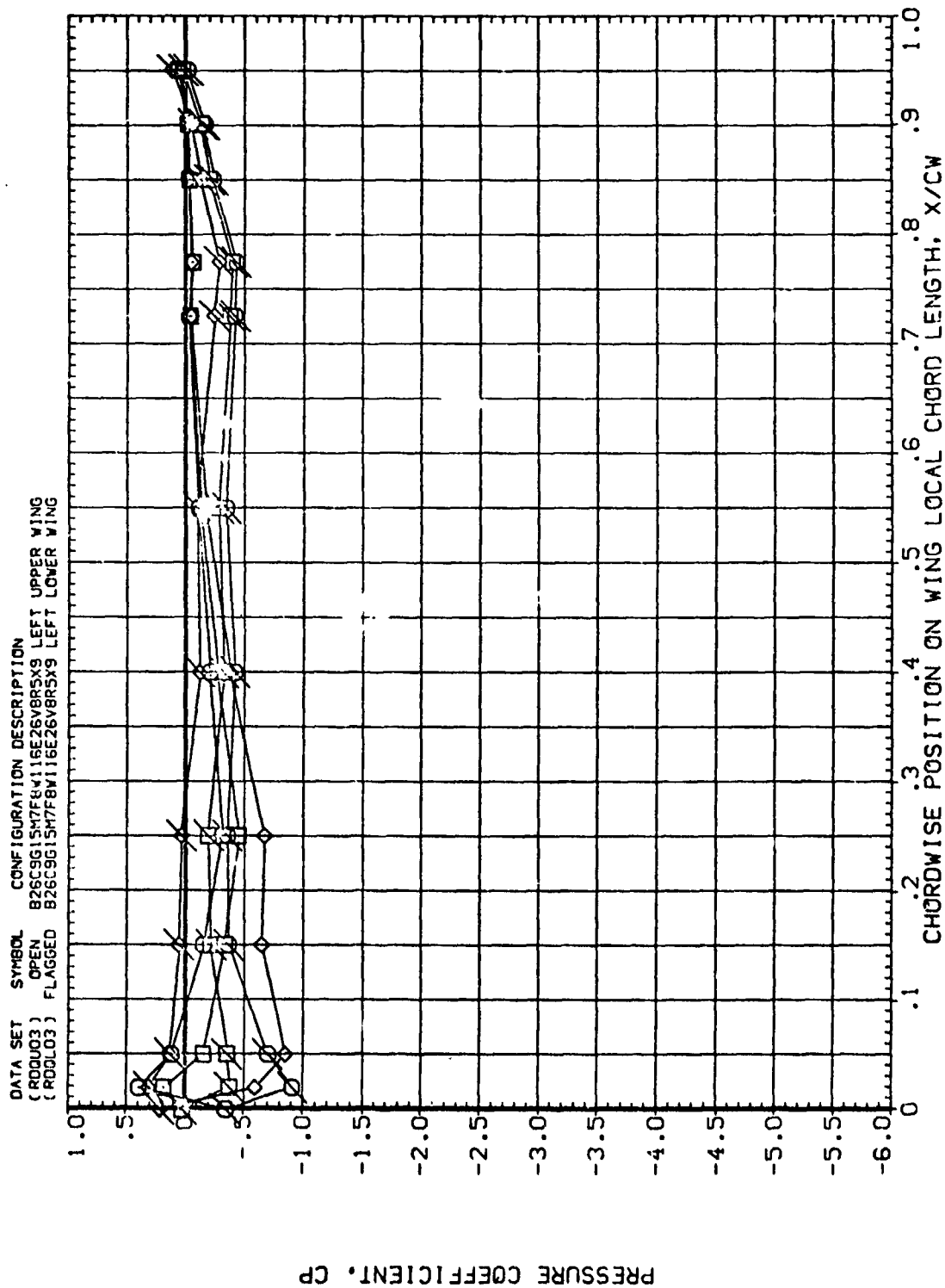


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

S^{92L} ALPHA
10.090
13.190
16.220

Y/BW .534 BETA -10.060

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

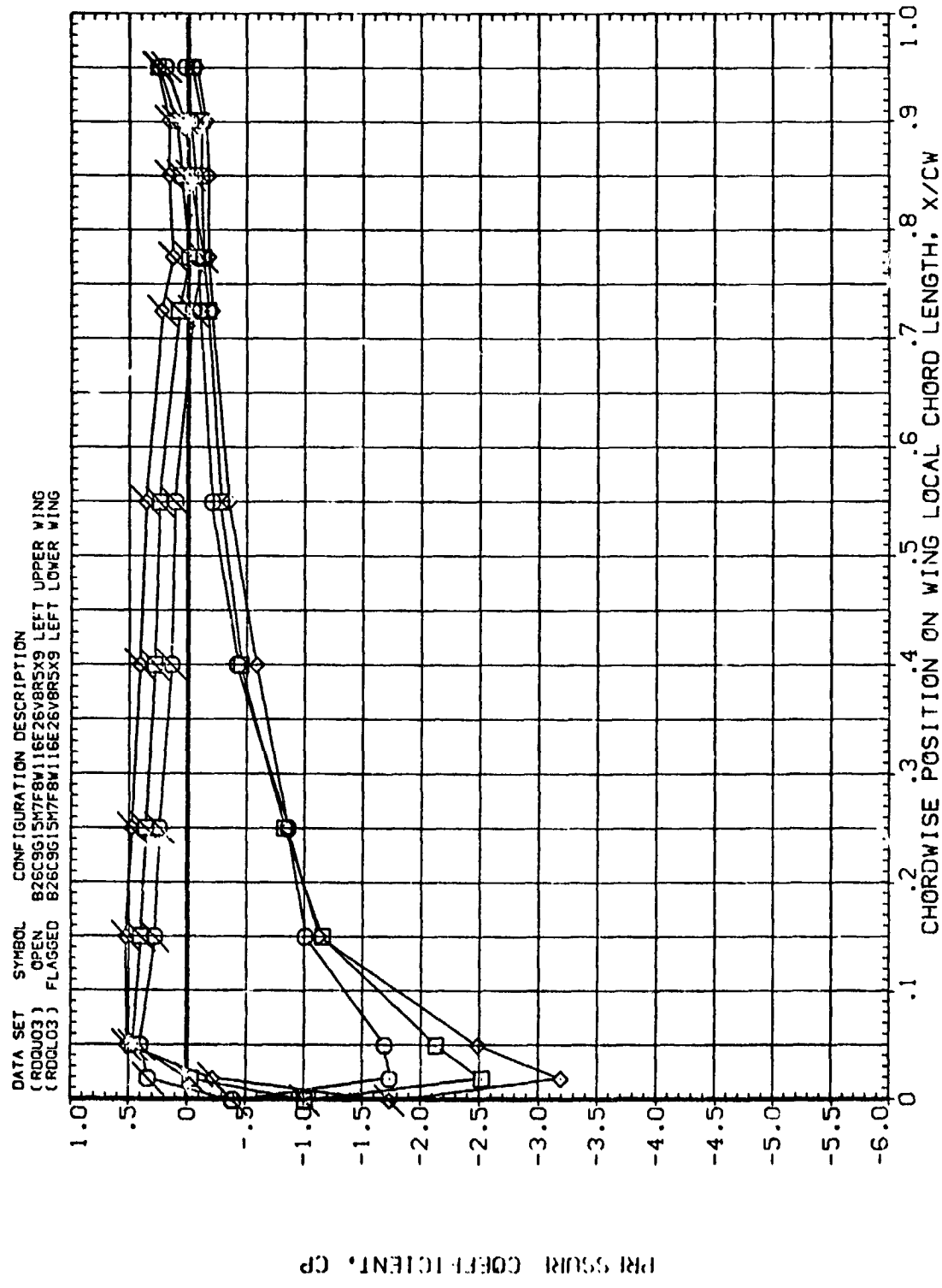


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.980	.673	-10.060	BDFLAP	.000
◇	.020				-14.250
◇	5.020				BETA
					-10.000

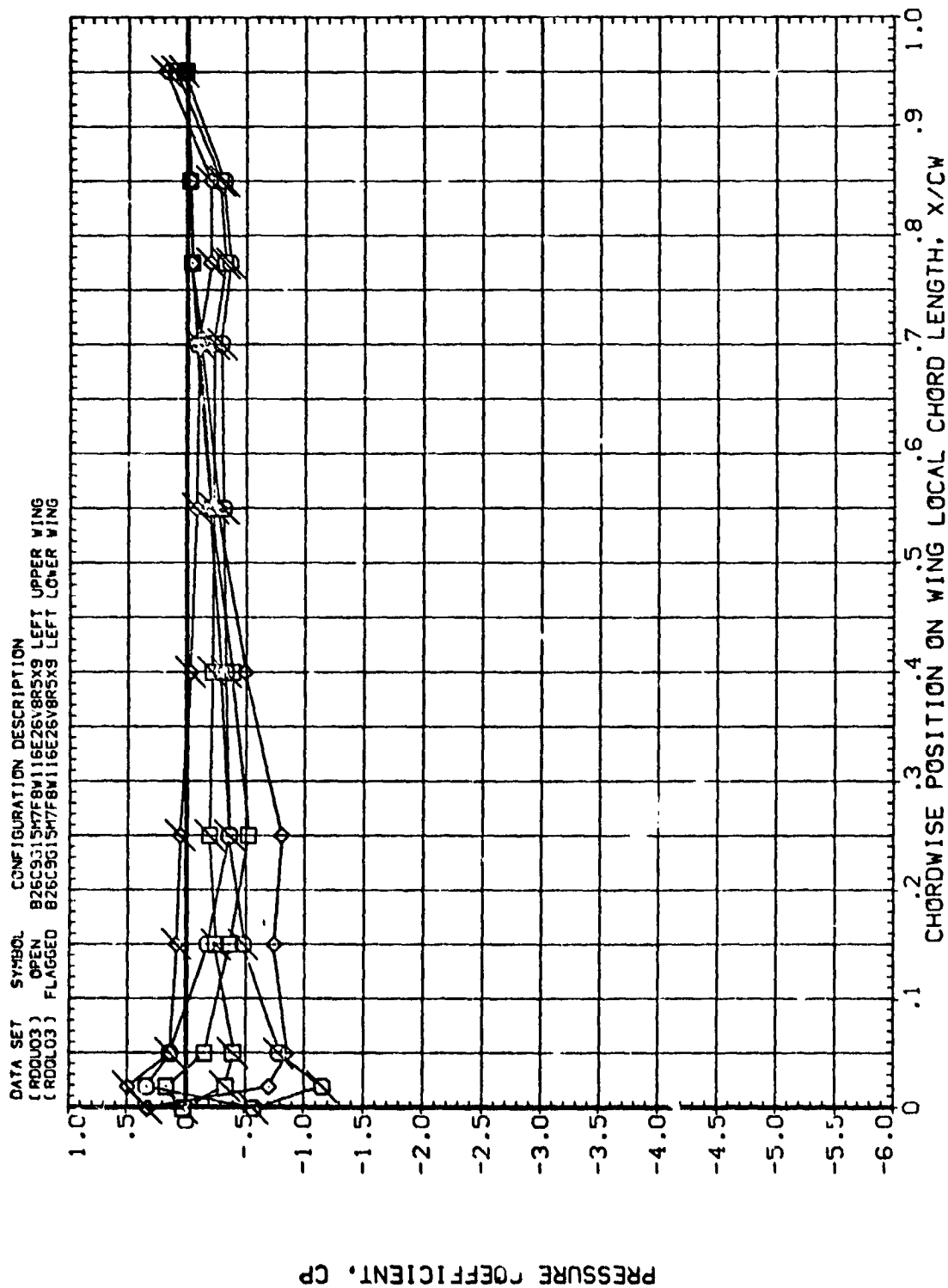


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	1/8M	BETA	ELEVON	PARAMETRIC VALUES
□	10.090	.673	-10.060	BDFLAP	.000 RUDDER
◇	13.190				-14.250 BETA
	16.220				-10.000

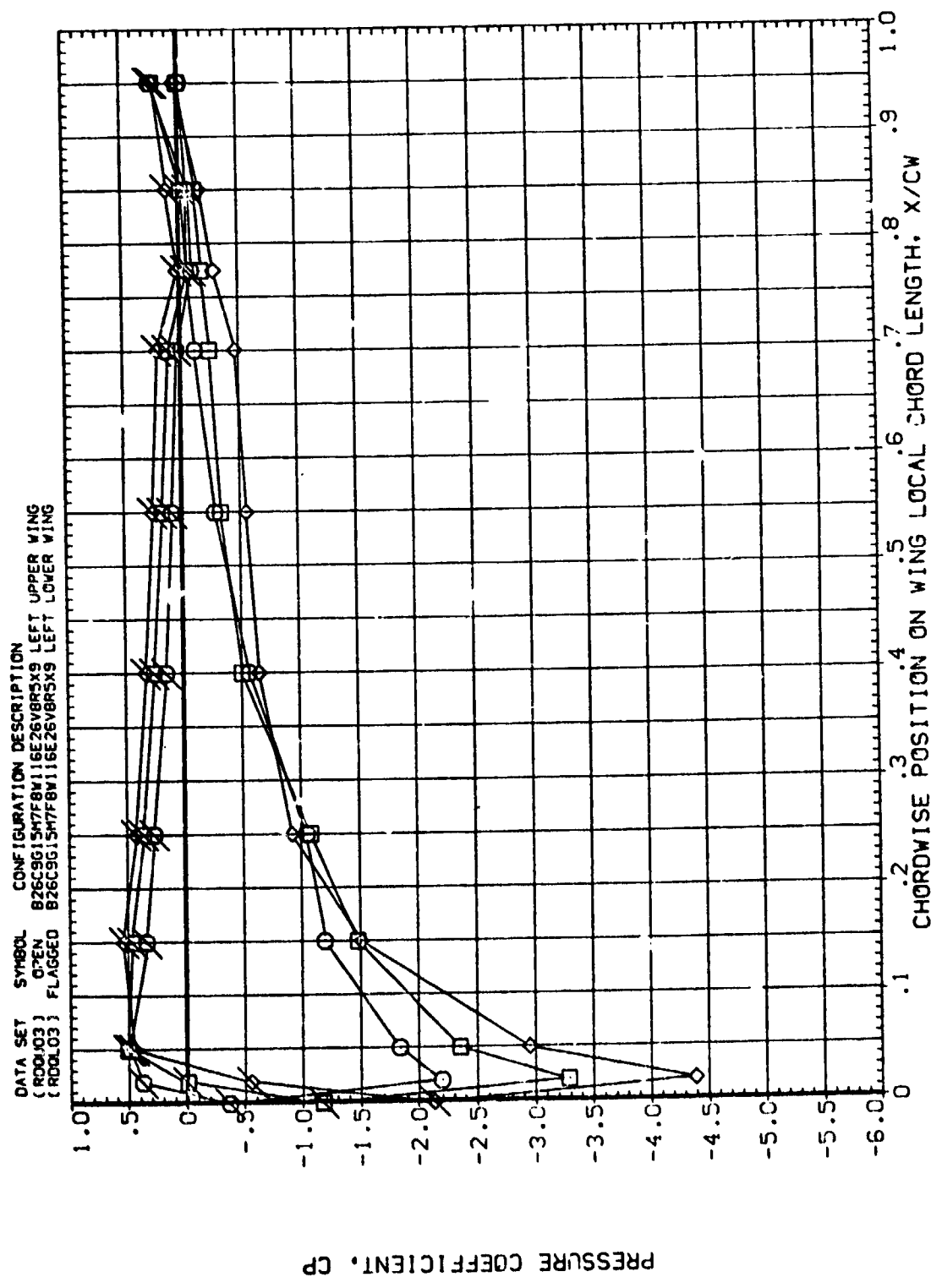


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

PAGE 238

SYMBOL ALPHA Y/BV BETA
 -2.983 .783 -10.060
 .020
 5.020

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

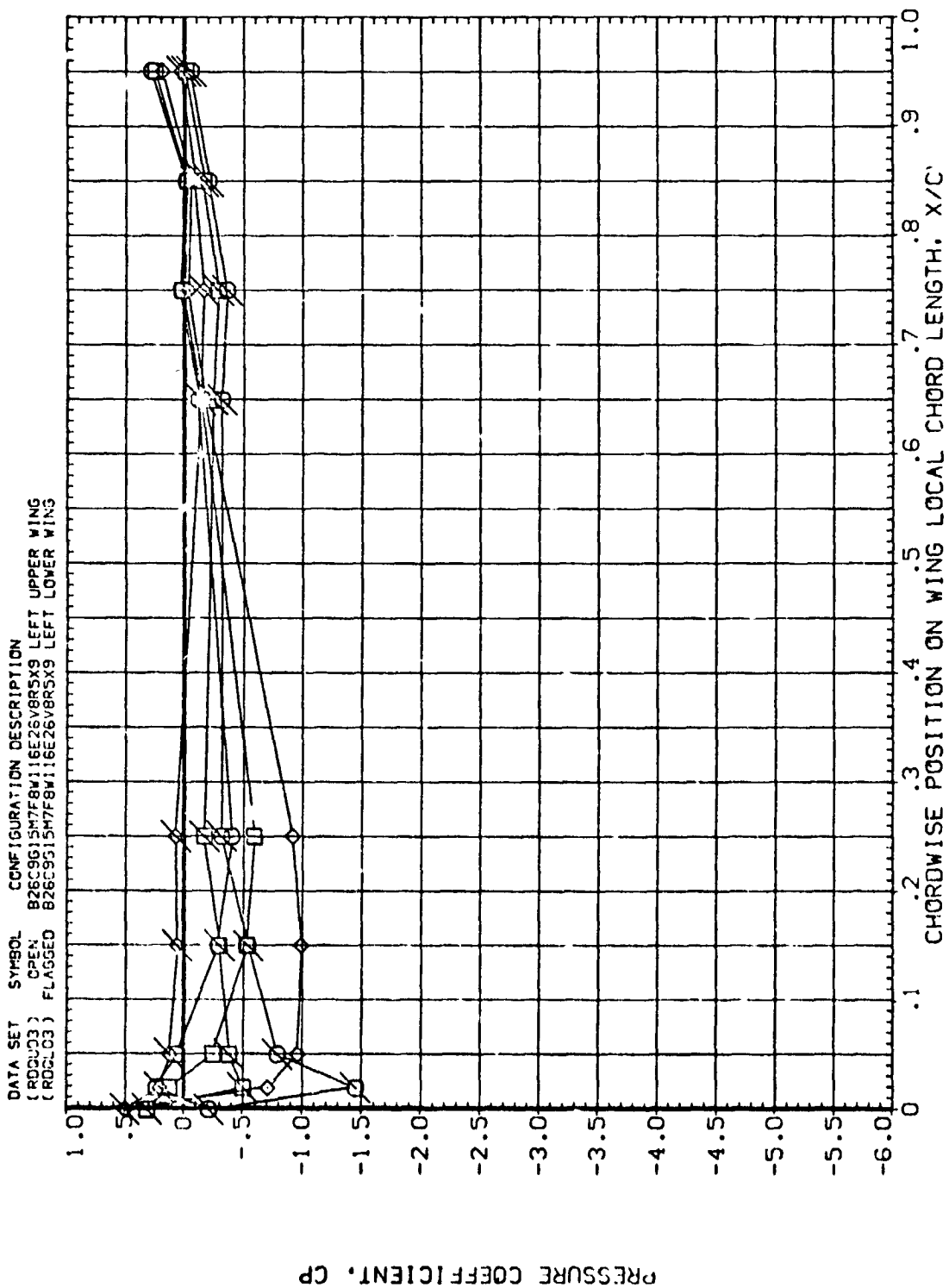


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/B ₁	BETA	ELEVON	PARAMETRIC VALUES
○	10.090	.780	-10.060	BOFLAP	.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				-10.000

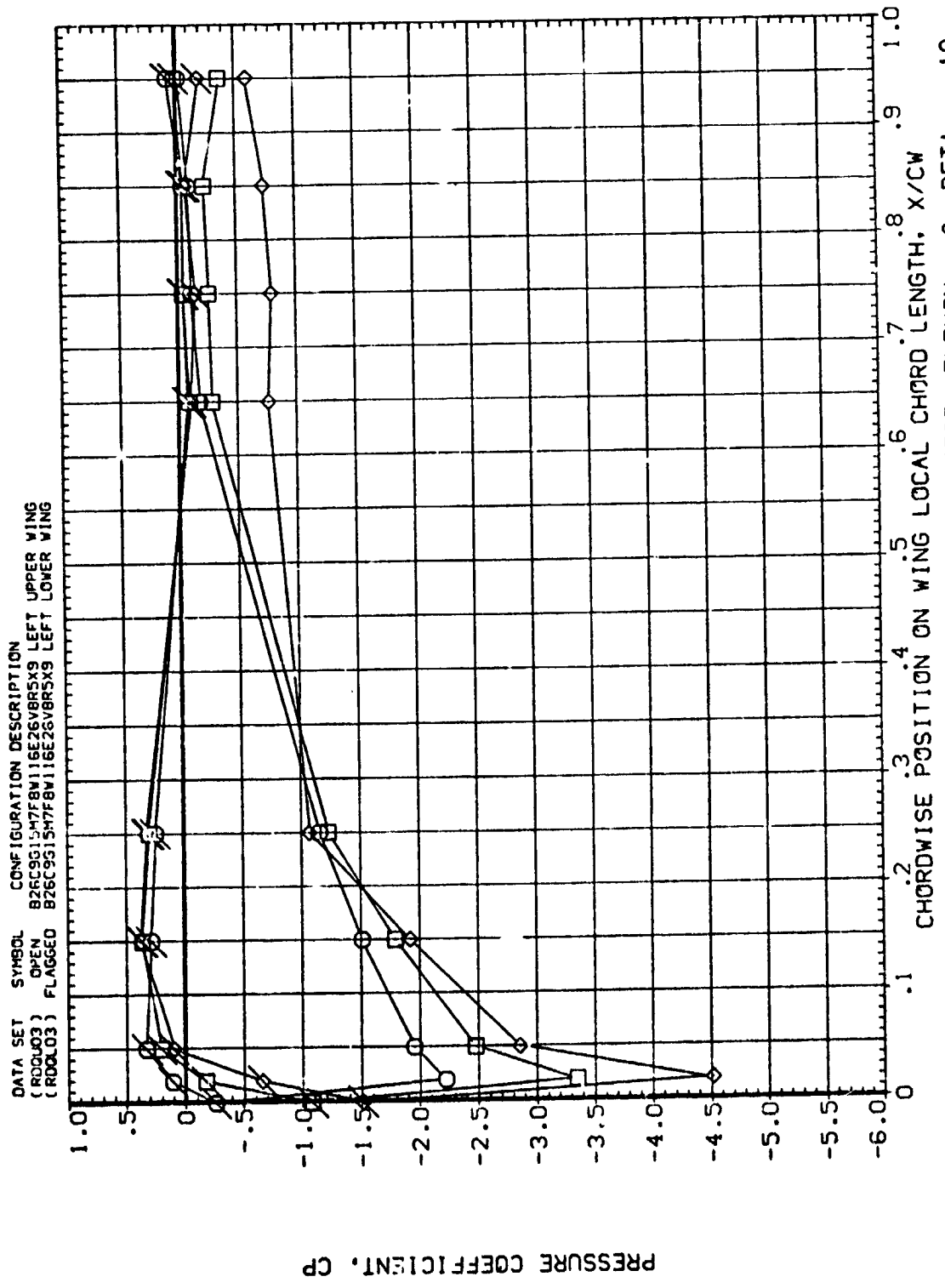


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

PAGE 240

SYMBOL	ALPHA	γ/β	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
□	-2.980	.887	-10.060	.000	-14.250	RUDDER .000
◇	.020					BETA -10.000
◇	5.020					

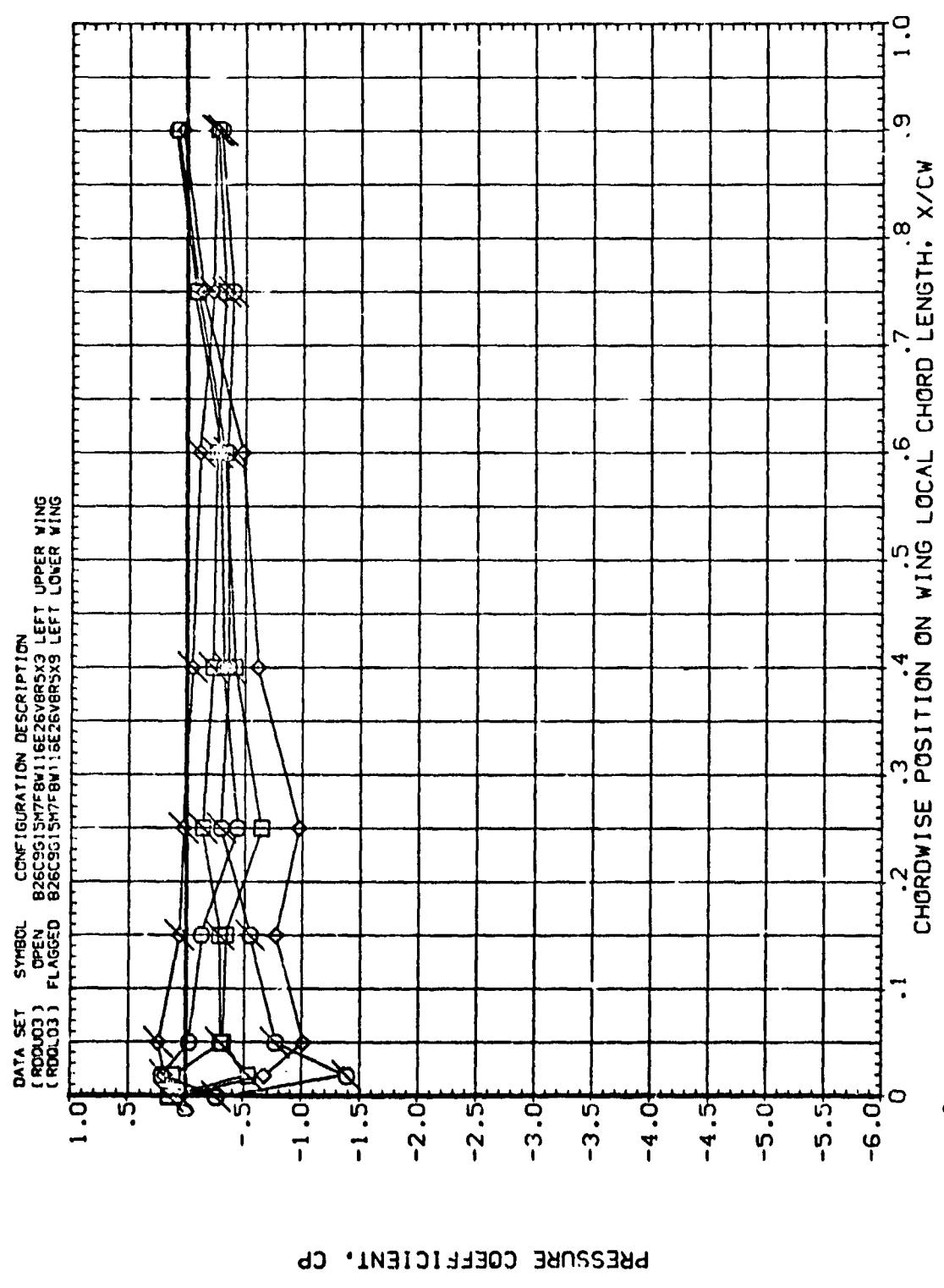


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
○	10.090	.887	-10.060	ELEVON	.000	.000
□	13.190			BDFLAP	-14.250	BETA
◇	16.220					-10.000

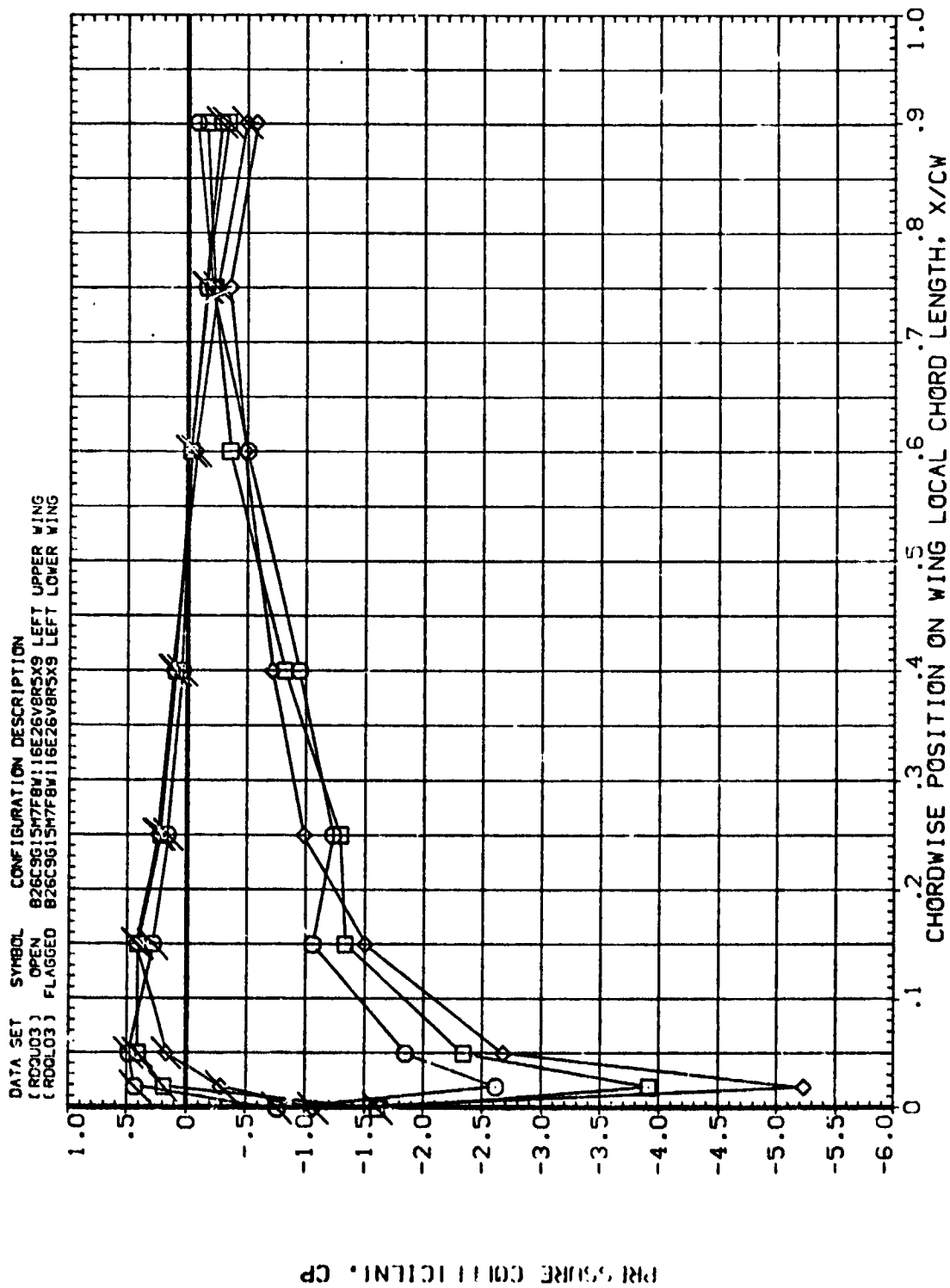


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
○	-2.950	.299	-.010	.000	.000	.000
◇	.050			.000		.000
◇	5.030					

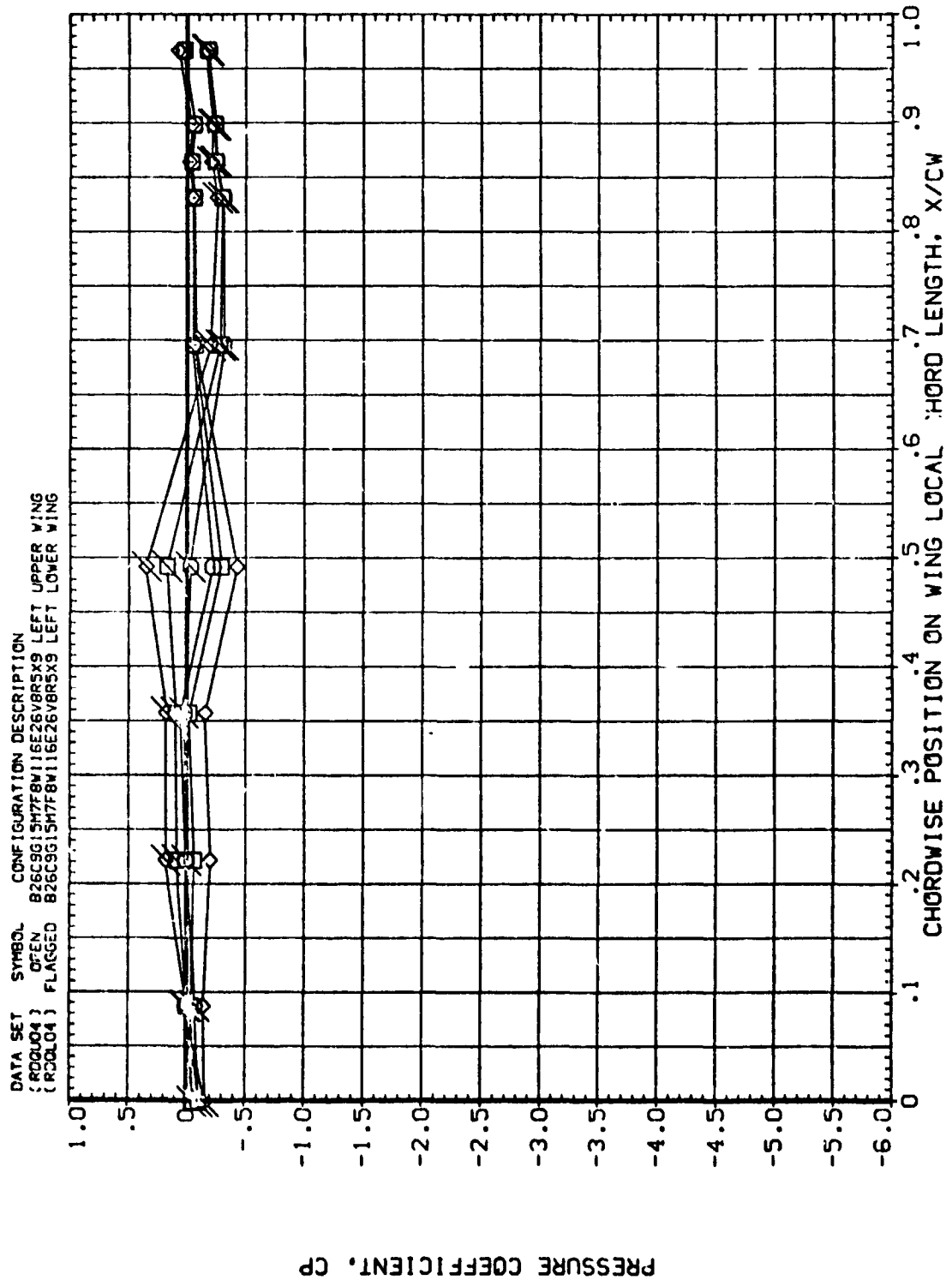


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.100	.299	-.010	BOFLAP	.000 RUDDER
◇	13.220				-14.250 BETA
◇	16.240				.000

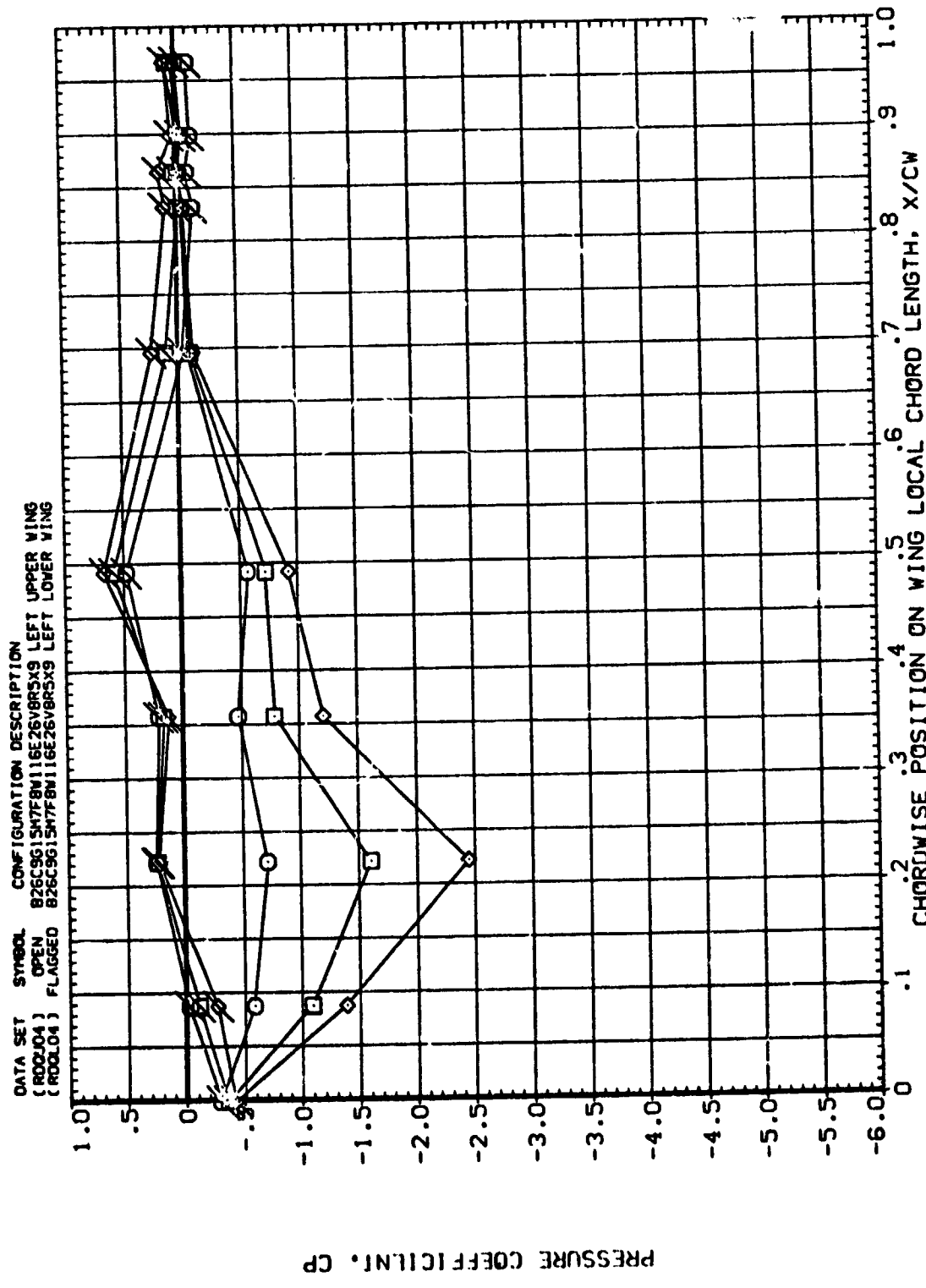


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	PARAMETRIC VALUES
□	-2.950	.352	-0.010	BDFLAP	.000 RUDDER .000 BETA
◇	.050				
◇	5.030				

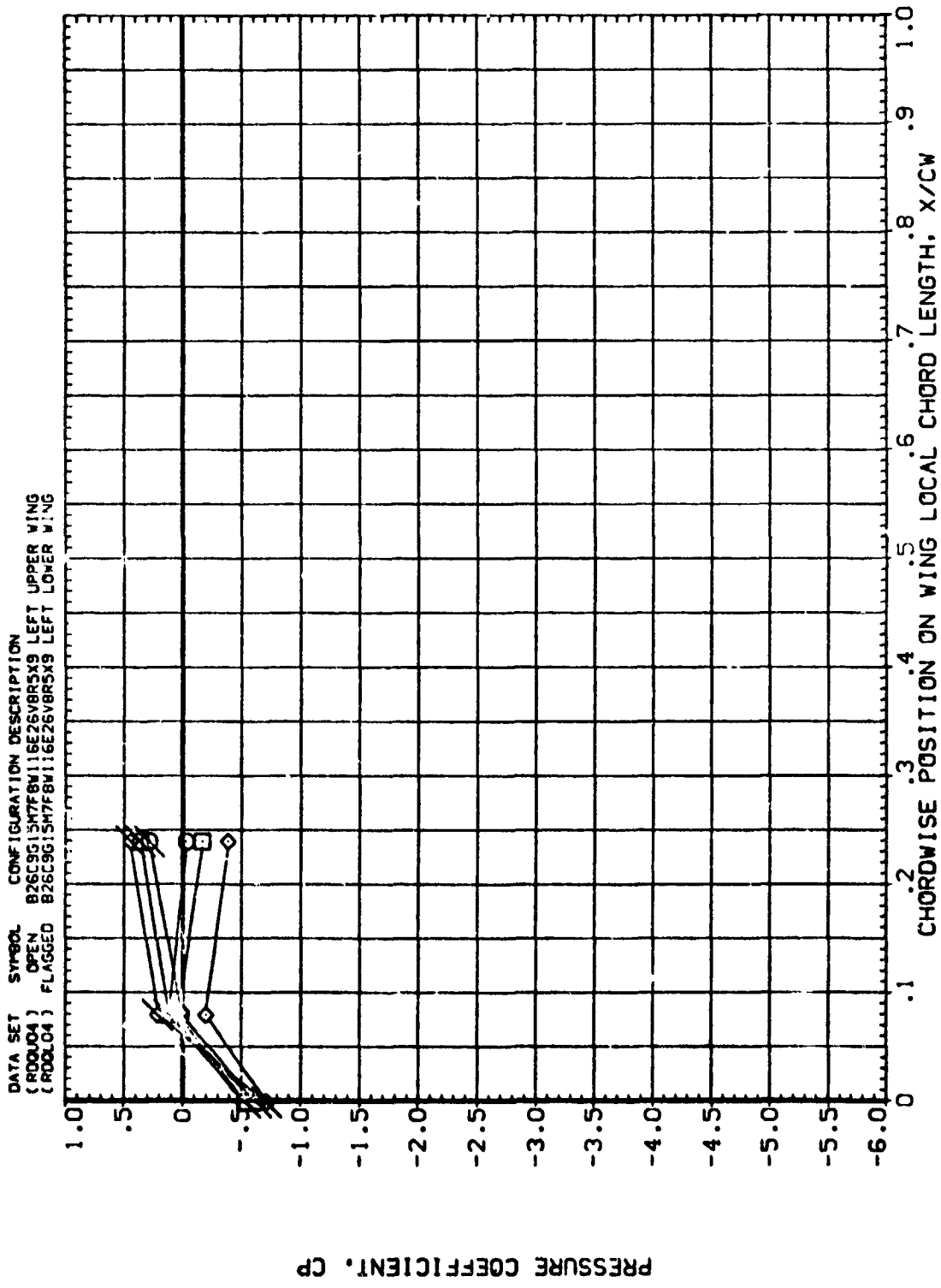


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.100	.352	-.010	RDFLAP	.000 RUDDER
□	13.220				-14.250 BETA
◇	16.240				.000

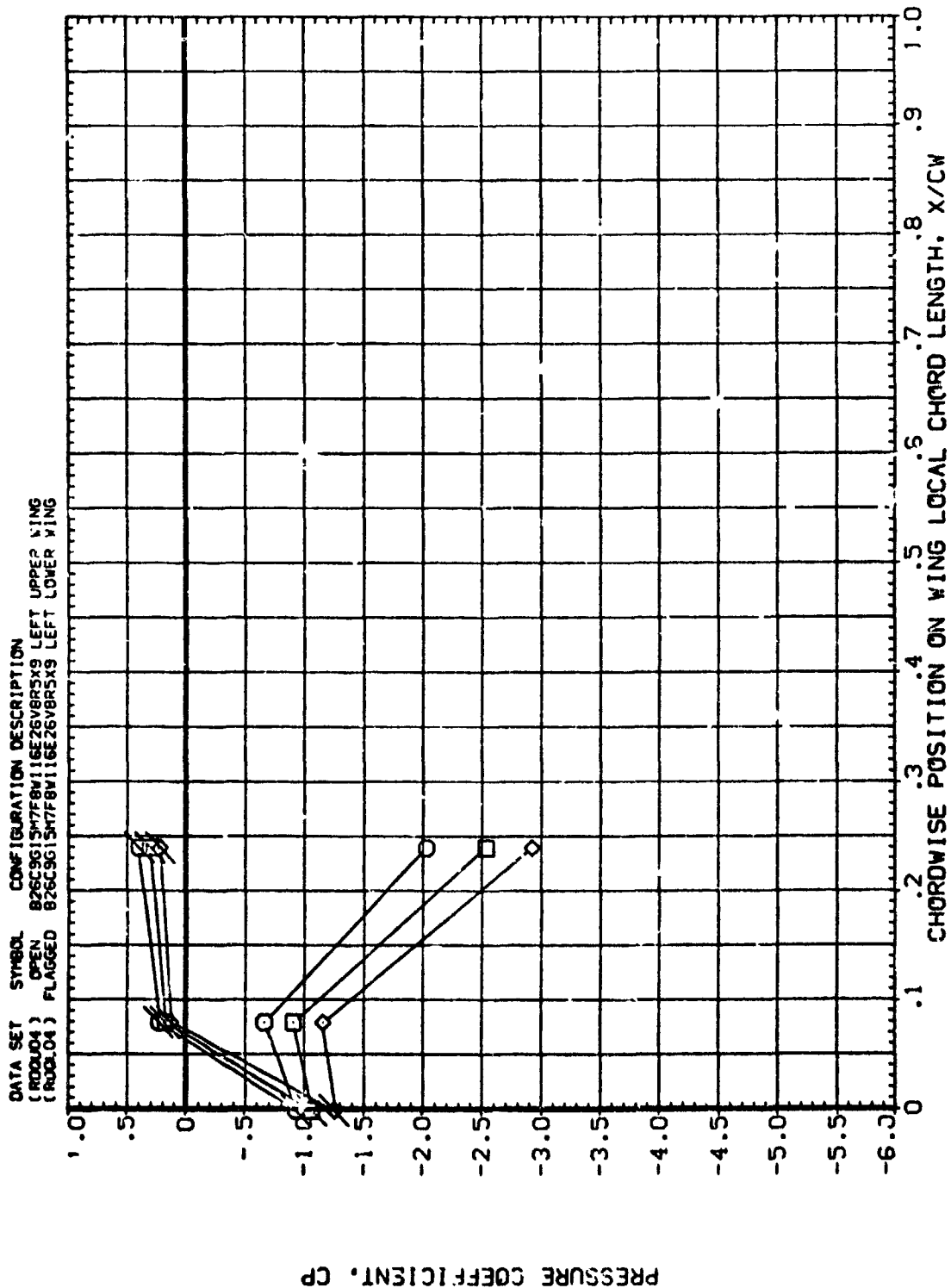


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
◇	-2.950	.405	-0.010	BDCLAP	.000 RUDDER
□	.050				-14.250 BETA
◇	5.030				.000

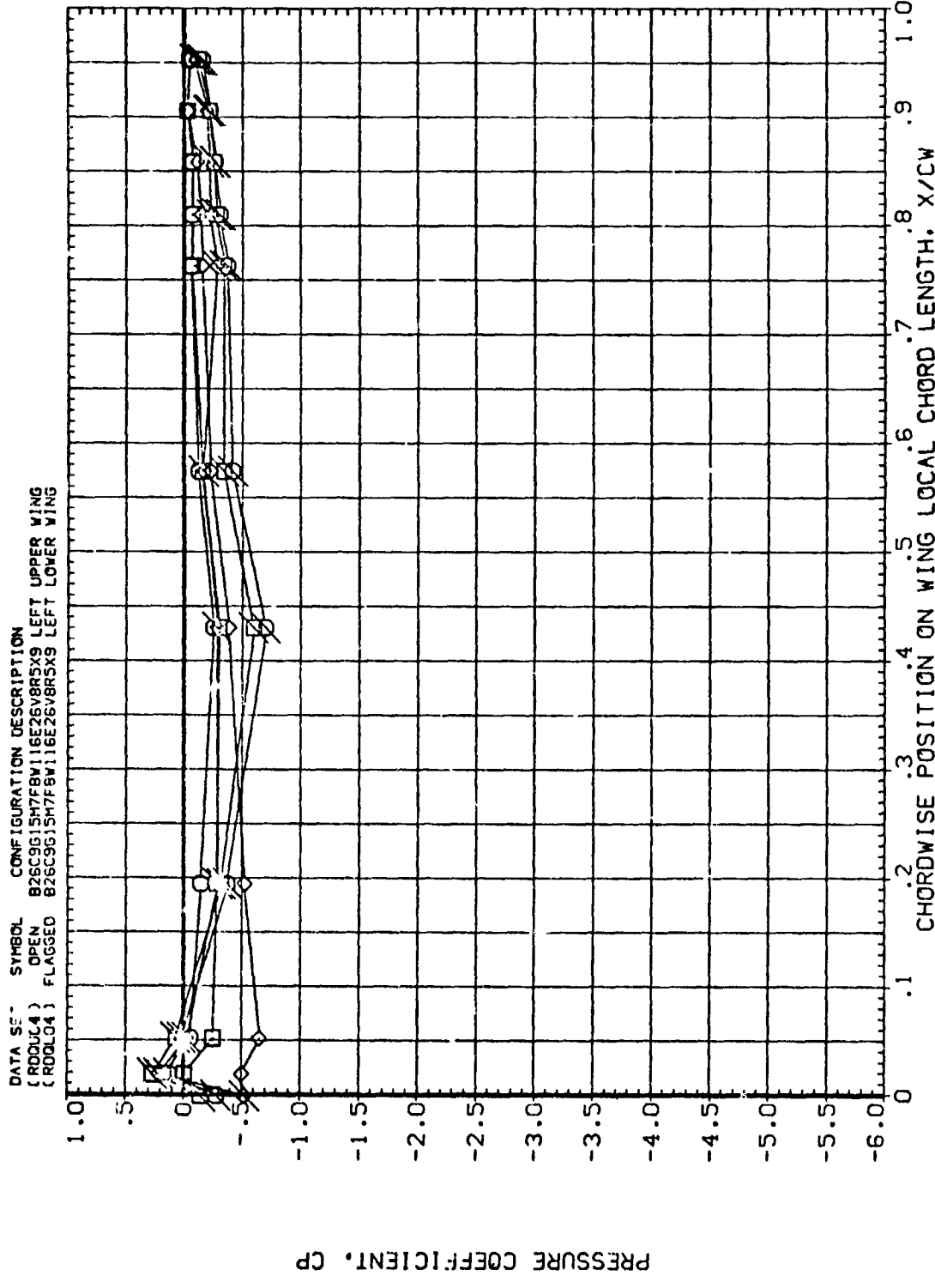


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = C BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
○	10.100	.405	-.010	ELEVON	.000
□	13.220			BDFLAP	-14.250
◇	16.240			RUDDER	.000
				BETA	.000

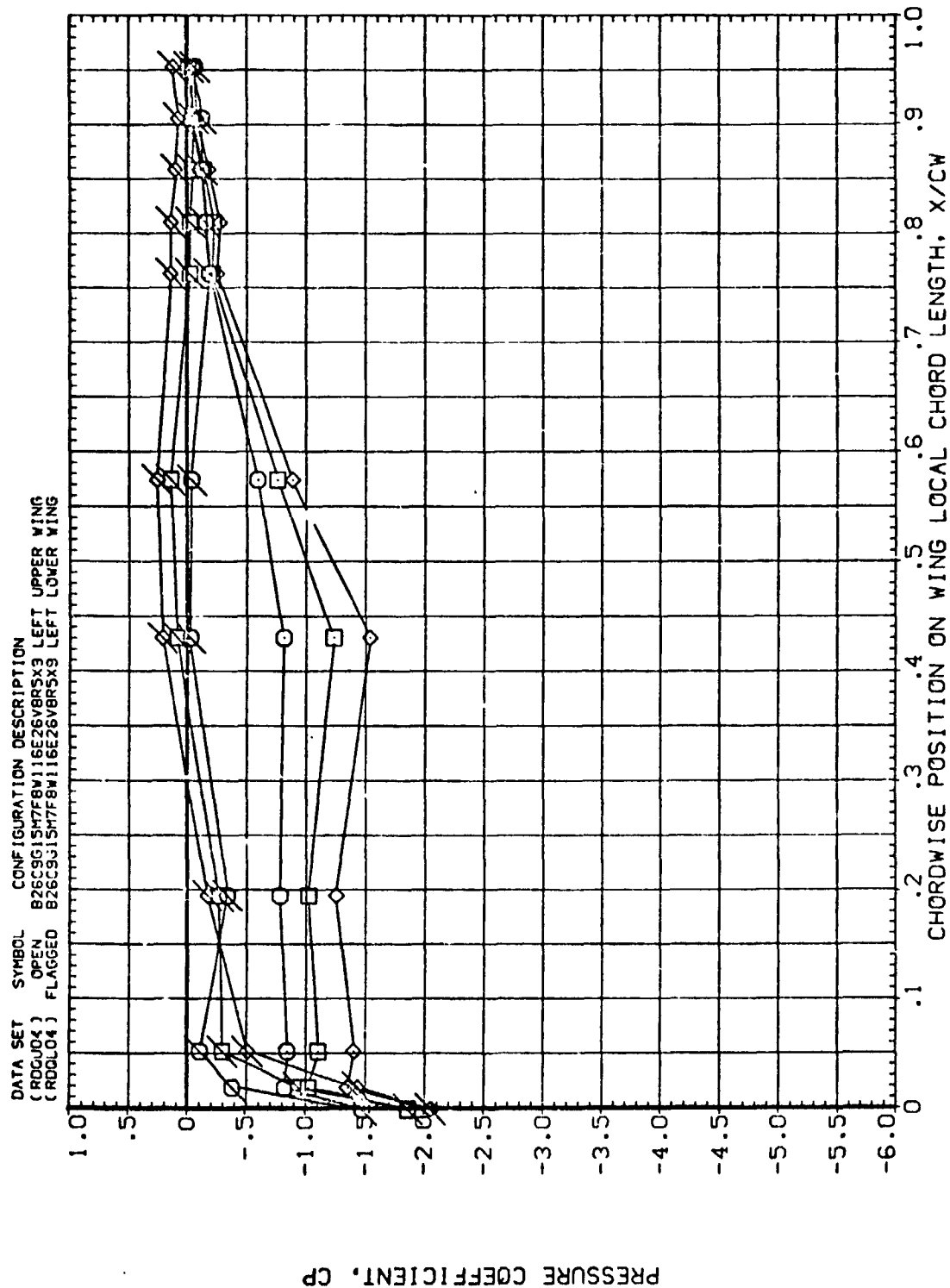


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	-2.950	.534	-.010	.000	.000	RUDDER
□	.050			.000	.000	BETA
◇	5.030					

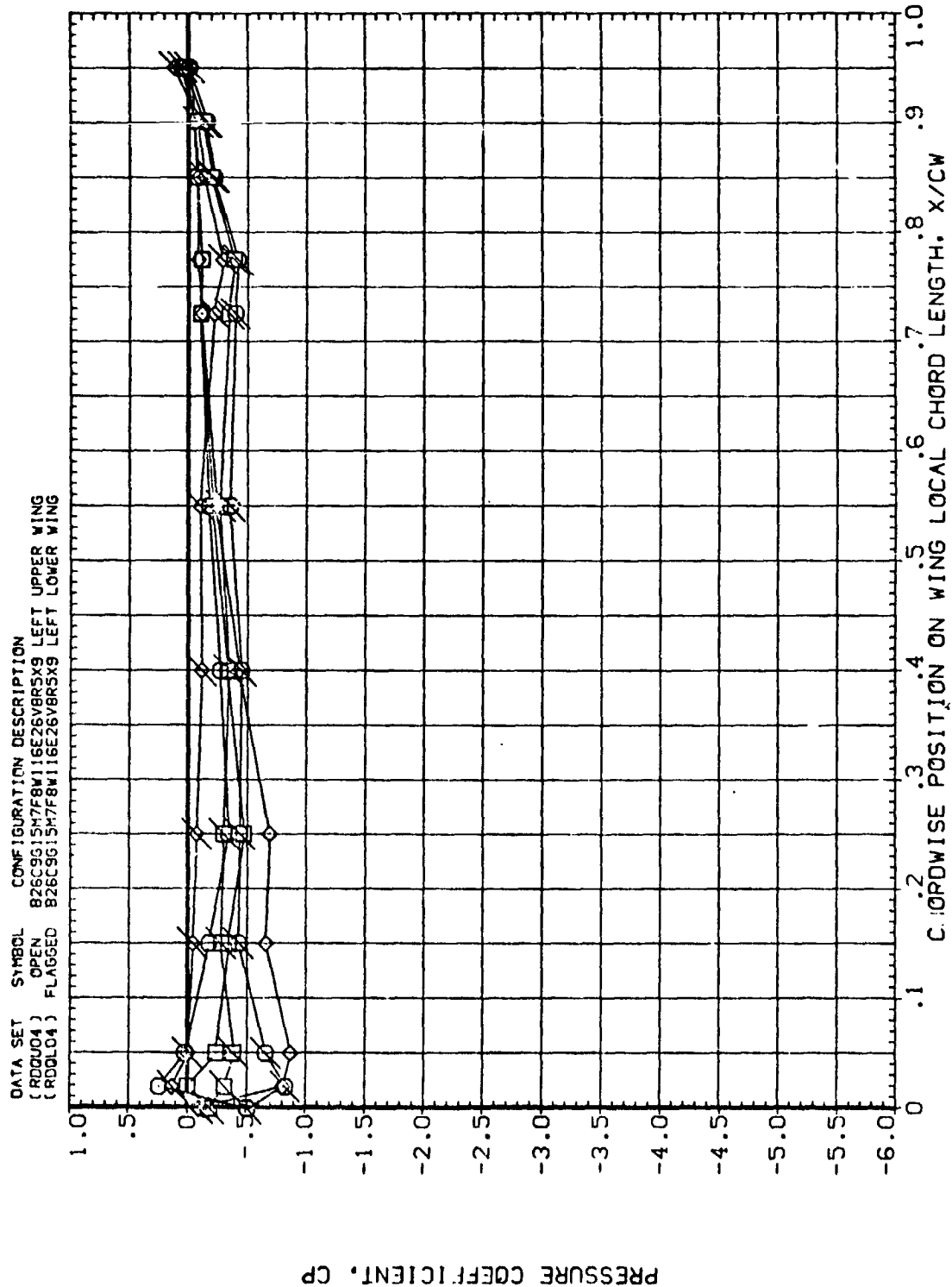


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL ALPHA Y/BV BETA

10.100 .534 -.010
13.220
16.240

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
SDFLAP -14.250 BETA

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(R00J04) OPEN 826C9G15H7F8W116E26V8R5X9 LEFT UPPER WING
(R00J04) FLAGGED 826C9G15H7F8W116E26V8R5X9 LEFT LOWER WING

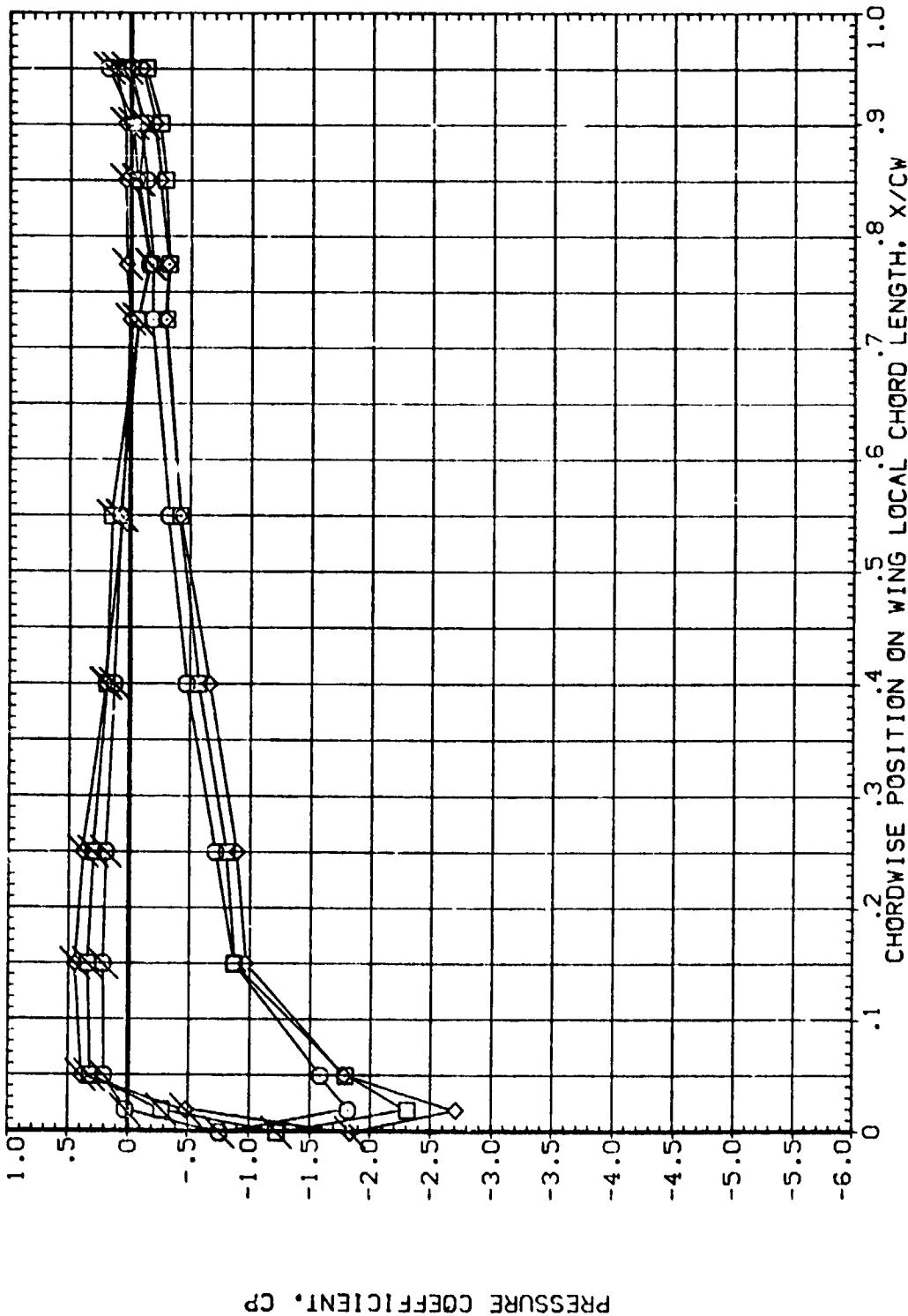


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	PARAMETRIC VALUES
□	-2.950	.673	-.010	BDFLAP	.000 RUDDER .000
◇	.050				-14.250 BETA
◇	5.030				

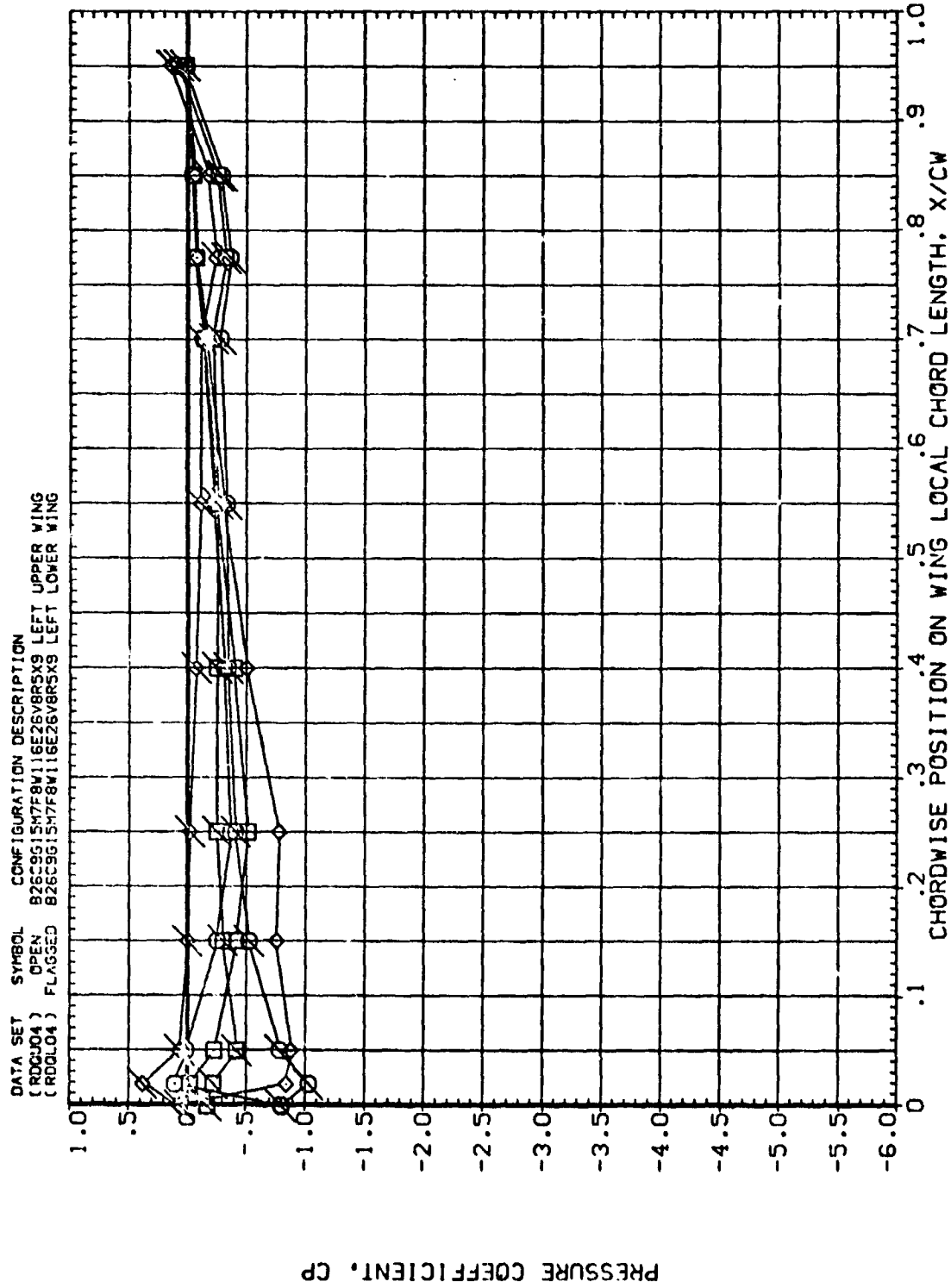


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.100	.673	-.010	BD/FLAP	.000
◇	13.220				.000
◇	16.240				

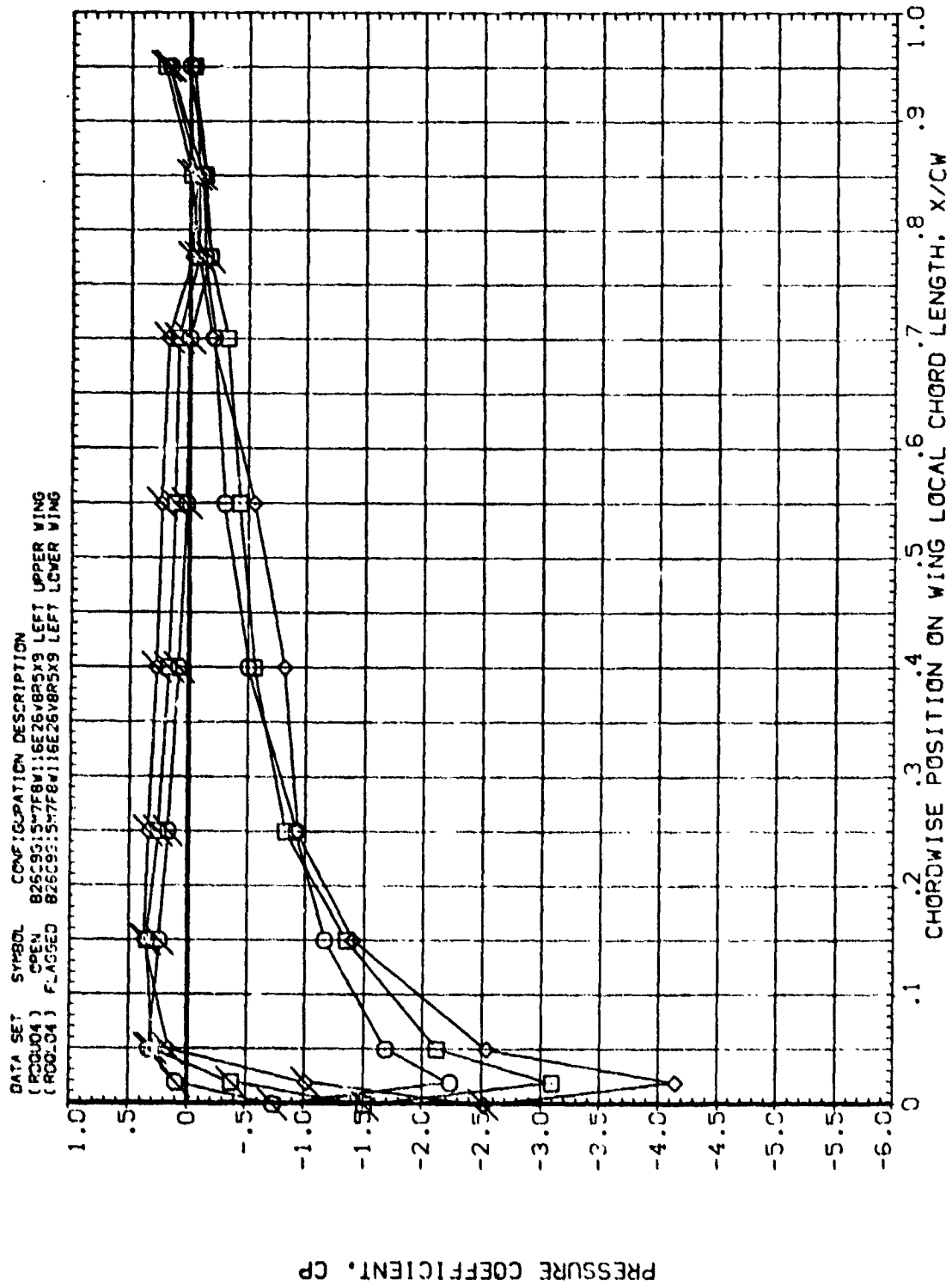


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = 0

SYMBOL ALPHA Y/BV BETA

□ -2.950 .780 -0.010

◇ .050 .000

◇ 5.030 .000

PARAMETRIC VALUES

ELEVON .000 RUDDER .000

BDFLAP -14.250 BETA .000

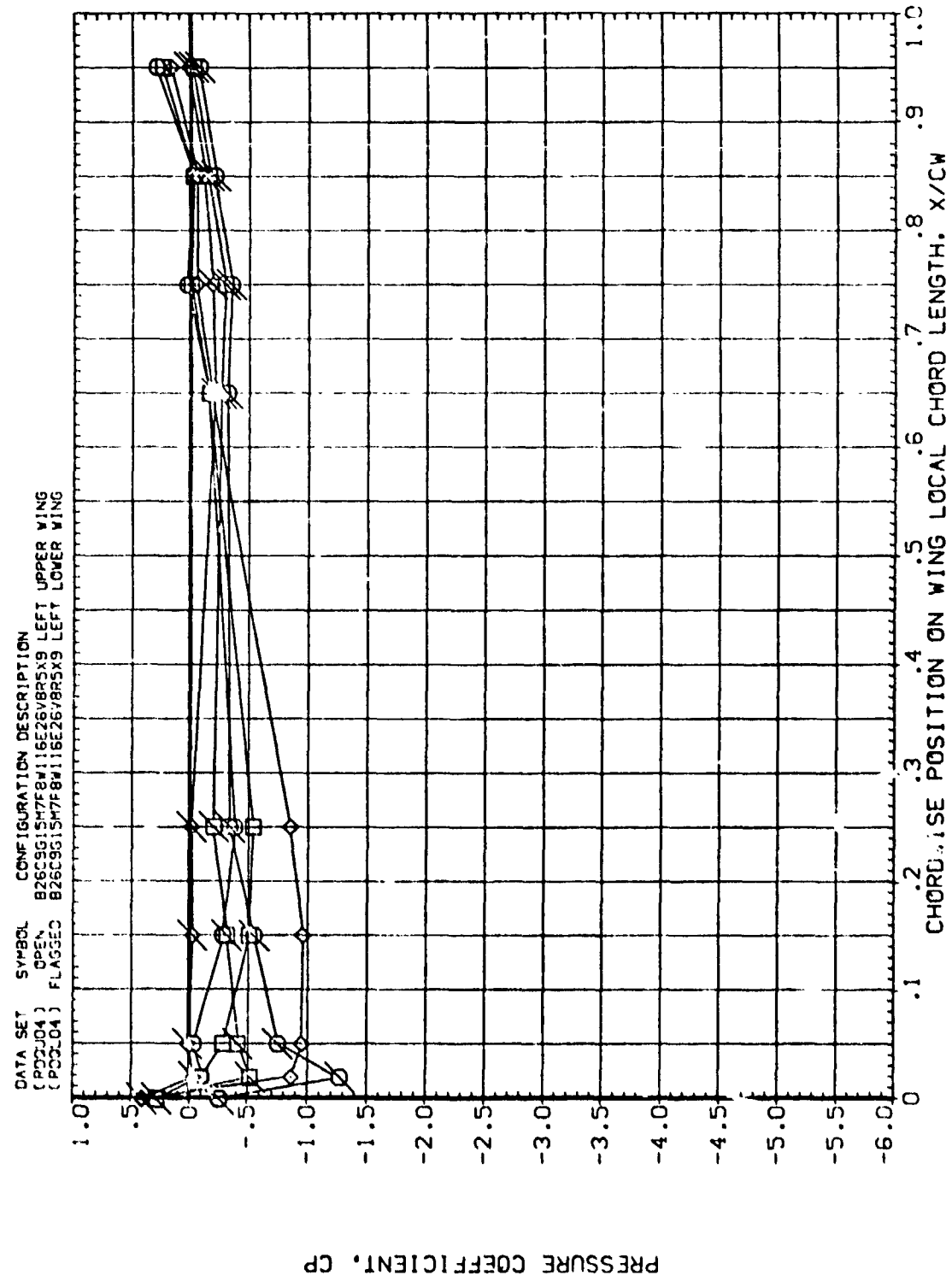


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BE^{TA} = 0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BY	BETA	PARAMETRIC VALUES	
○	10.100	.780	-.010	ELEVON	.000
□	13.220			BOFLAP	-14.250
◇	16.240			BETTER	.000

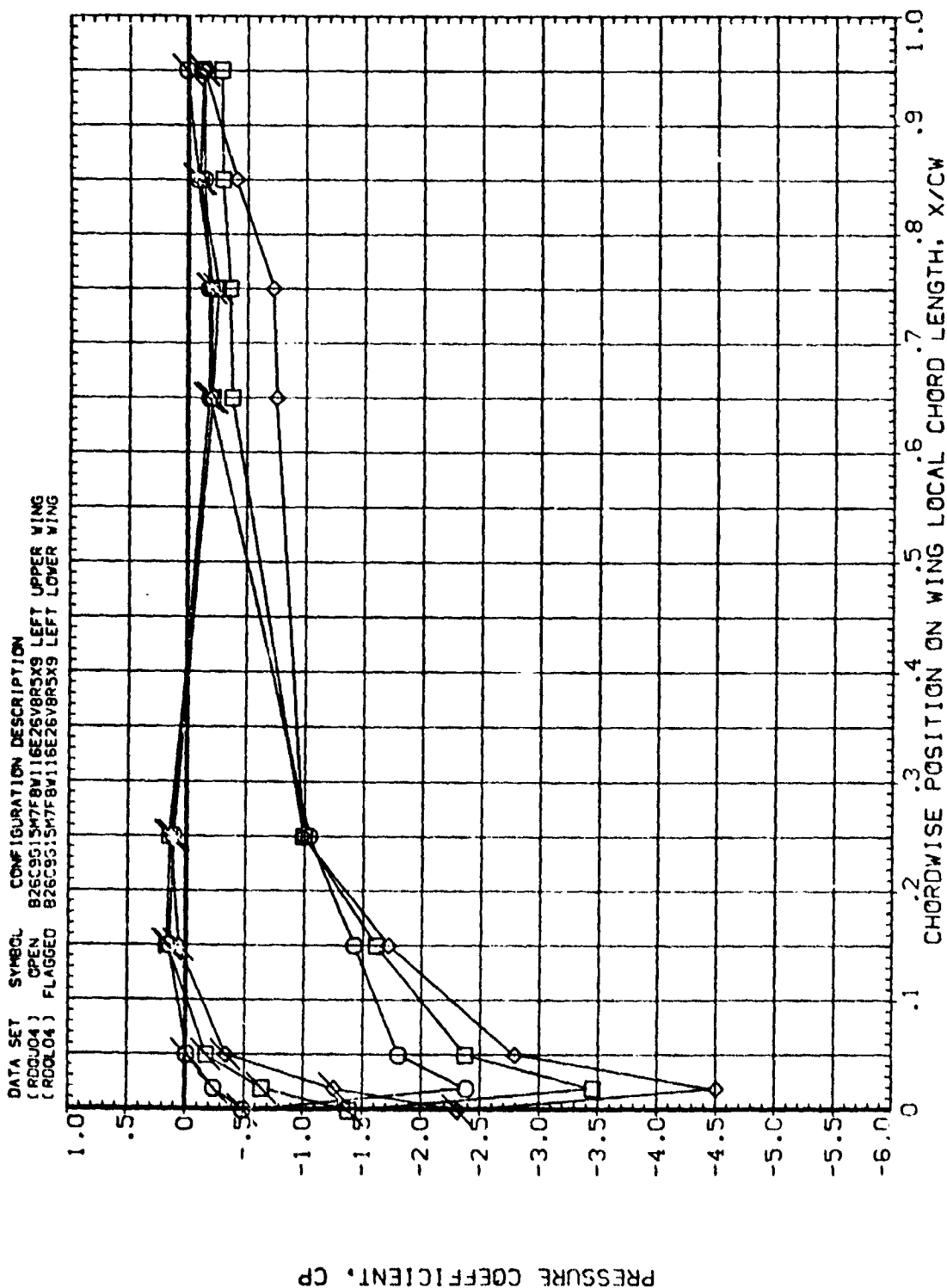


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL ALPHA Y/BV BETA
 -2.950 .887 -.010
 .050
 5.030

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA

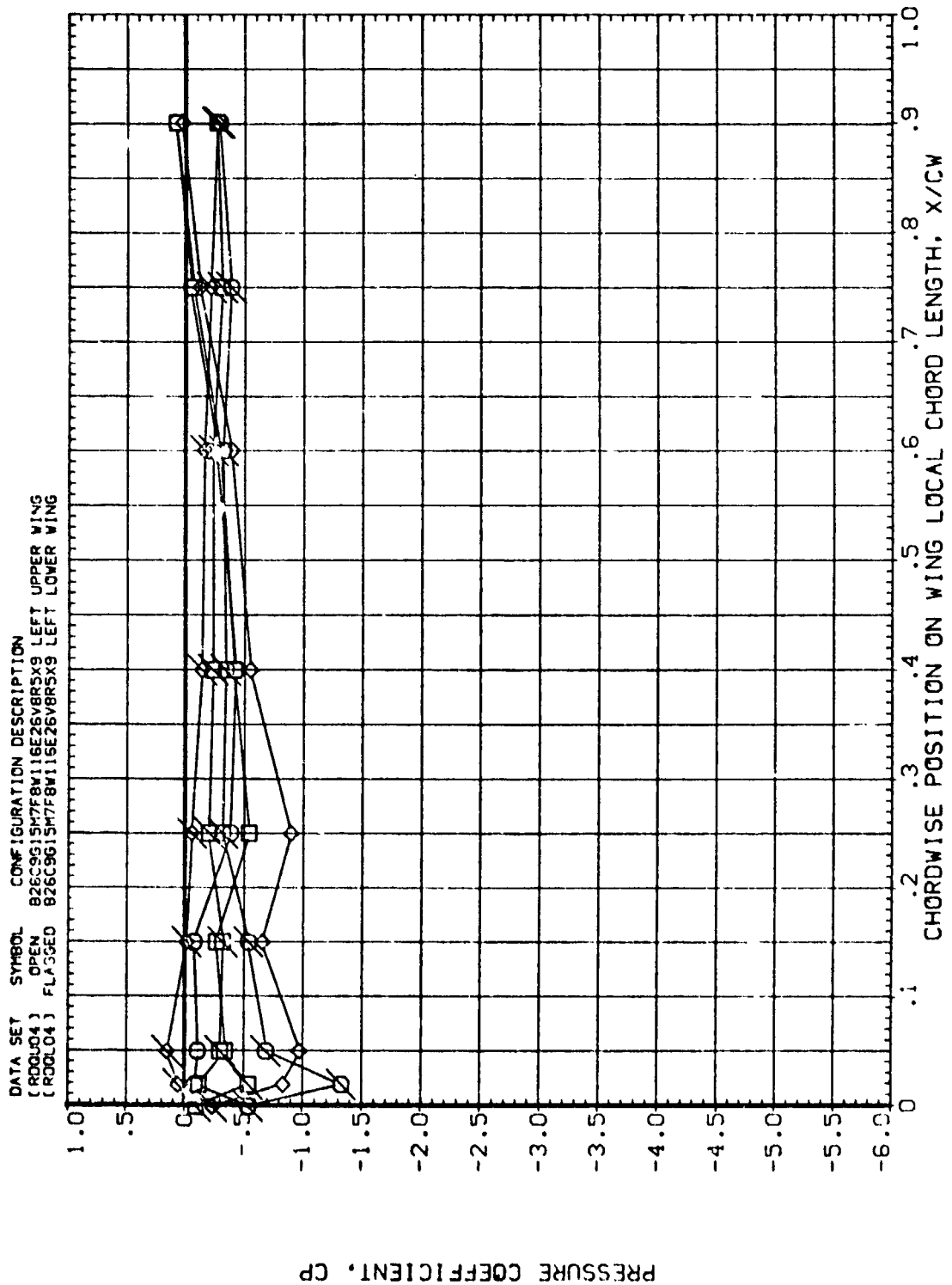


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	10.100	.887	-.010	ELEVON	.000
	13.220			BDCLAP	-14.250
	16.240				BETA
					.000

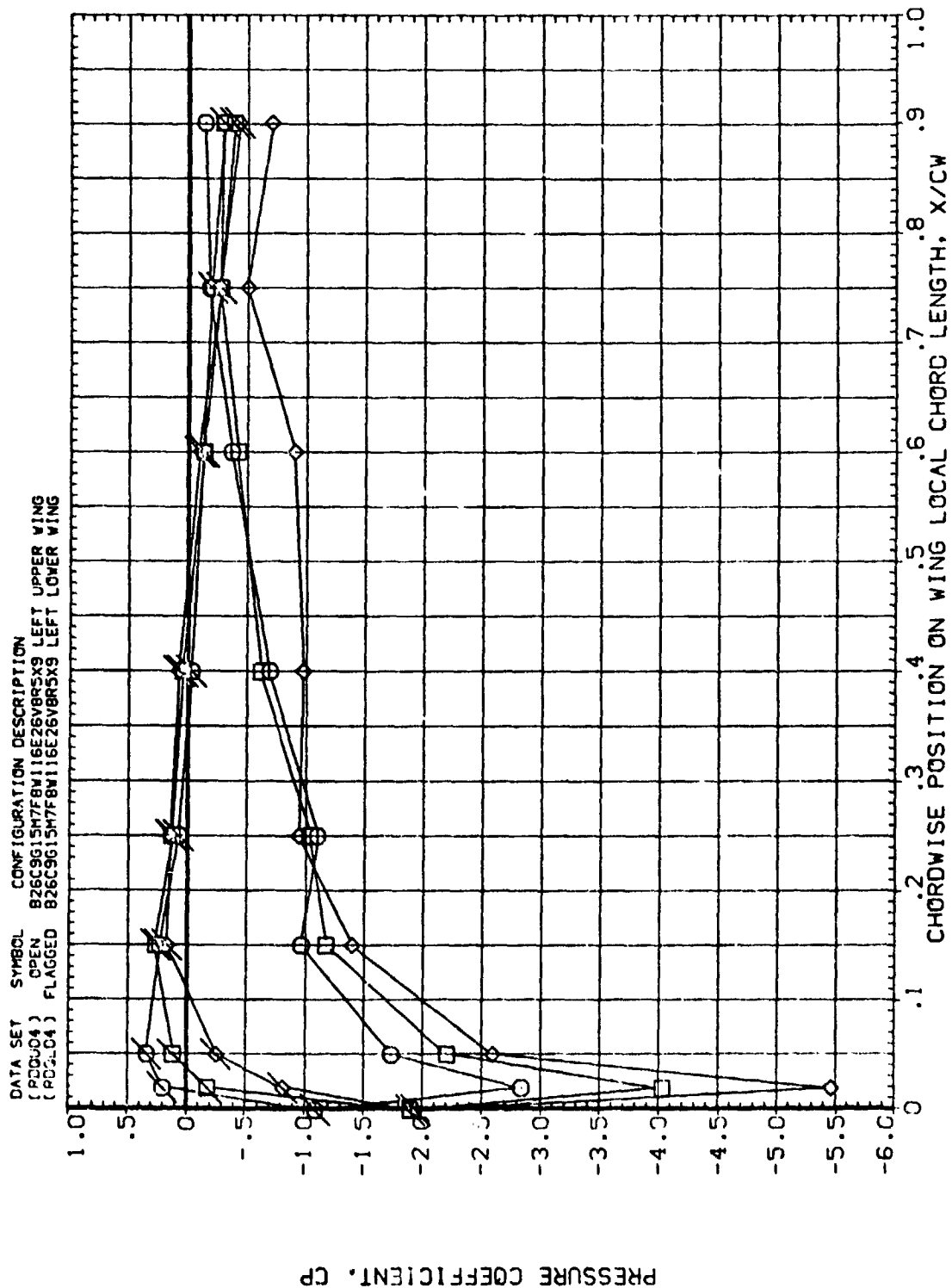


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.970	.299	10.050	BDFLAP	.000 RUDDER
◇	.030				-14.250 BETA
	5.020				10.000

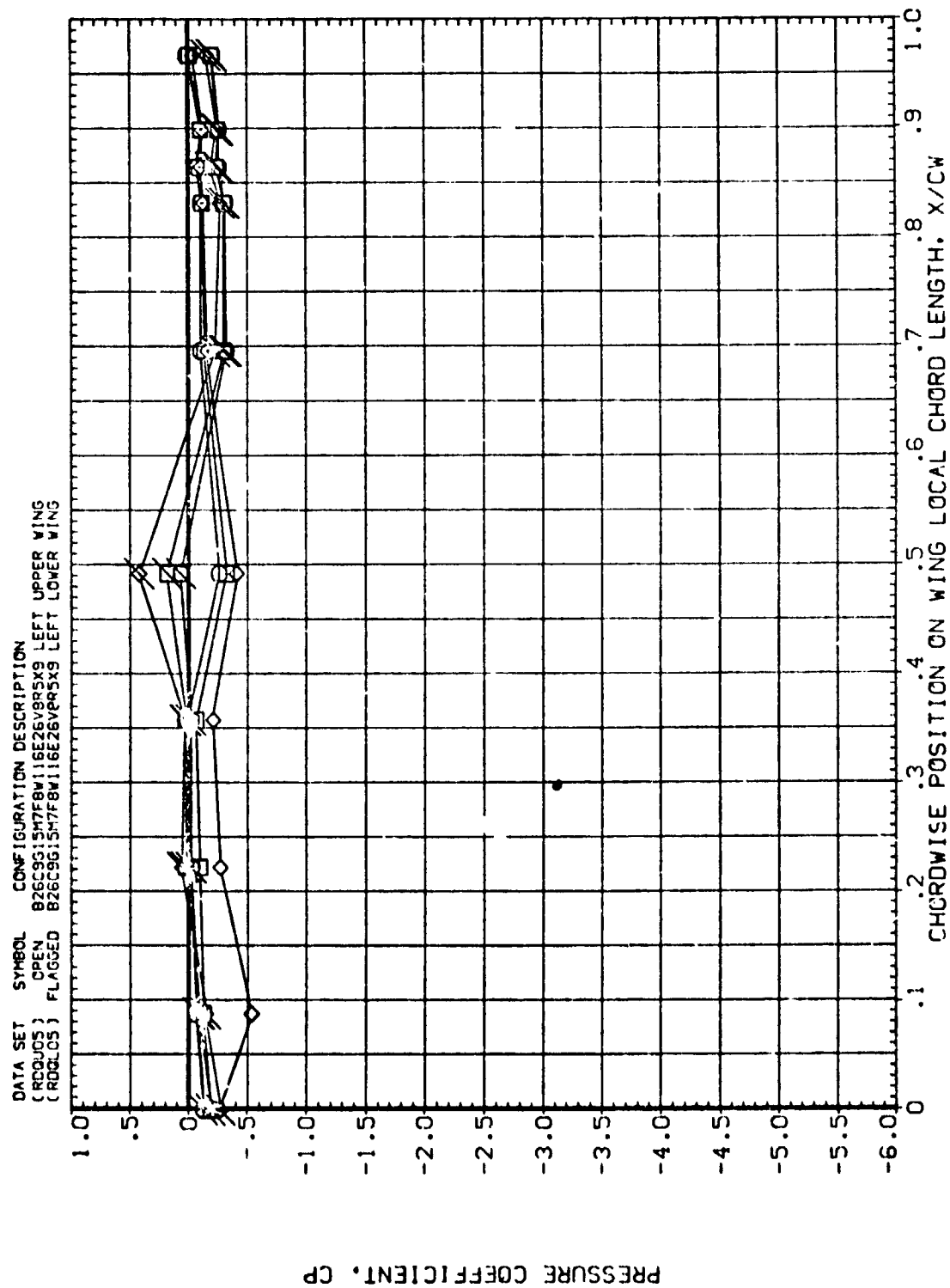


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.239	10.050	BDFLAP	.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				10.003

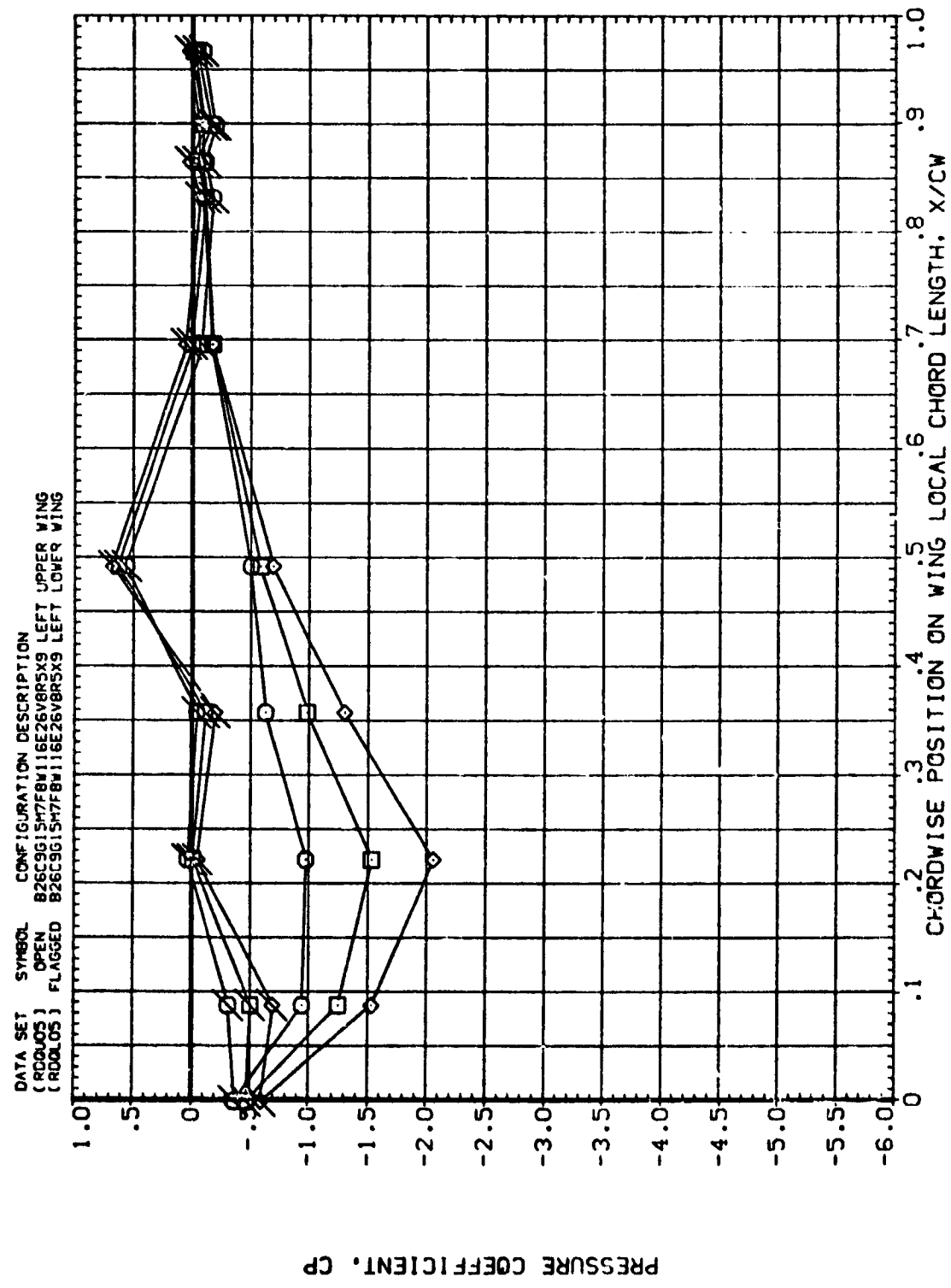


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 DEFLEAP -14.250 BETA 10.000

SYMBOL ALPHA Y/BV BETA
 -2.970 .352 10.050
 .030
 5.020

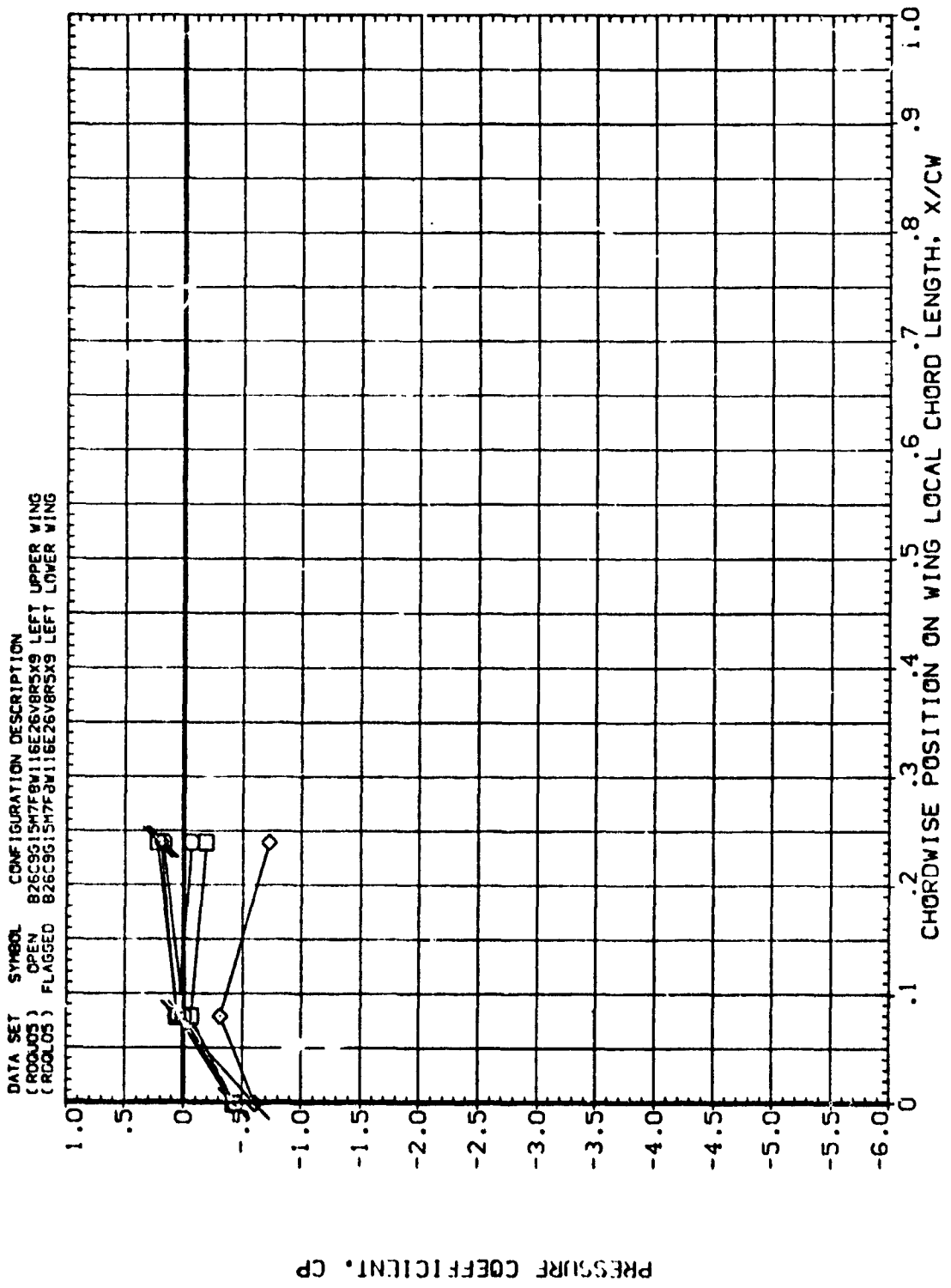


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	10.120	.352	10.050	ELEVON .000 RUDDER .000
□	13.190			BDFLAP -14.250 BETA 10.000
◇	16.220			

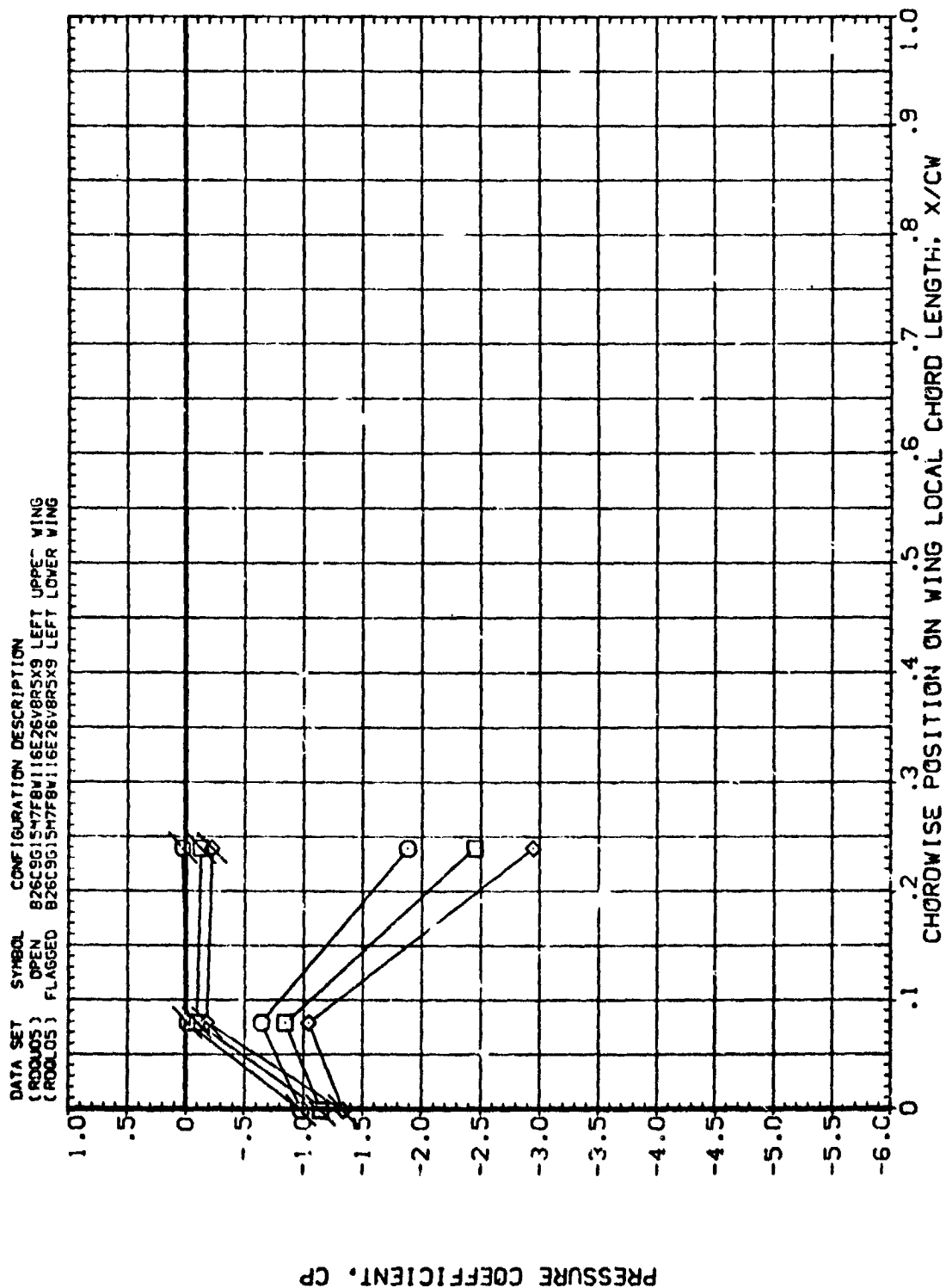


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

AGE 260

SYMBOL	ALPHA	Y/BV	BETA			
○	-2.970	.405	10.050			
□	-0.30			ELEVON	PARAMETRIC VALUES	
◇	5.020			BDFLAP	.000	.000
					-14.250	10.000
					RUDDER	
					BETA	

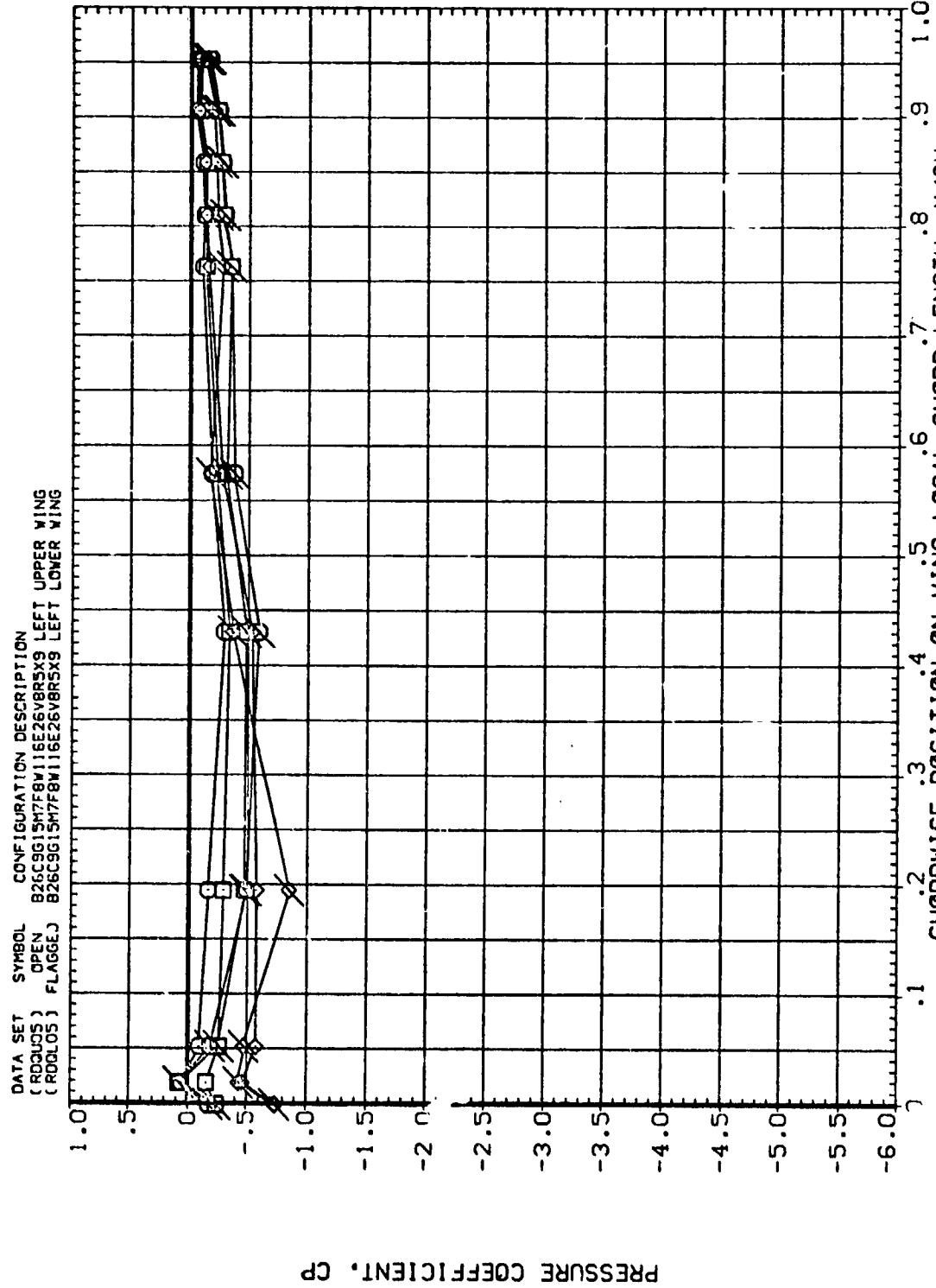


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	10.120	.405	10.05G	.000	.000	.000
□	13.190			.000	.000	.000
◇	16.220			-14.250	BETA	10.00C

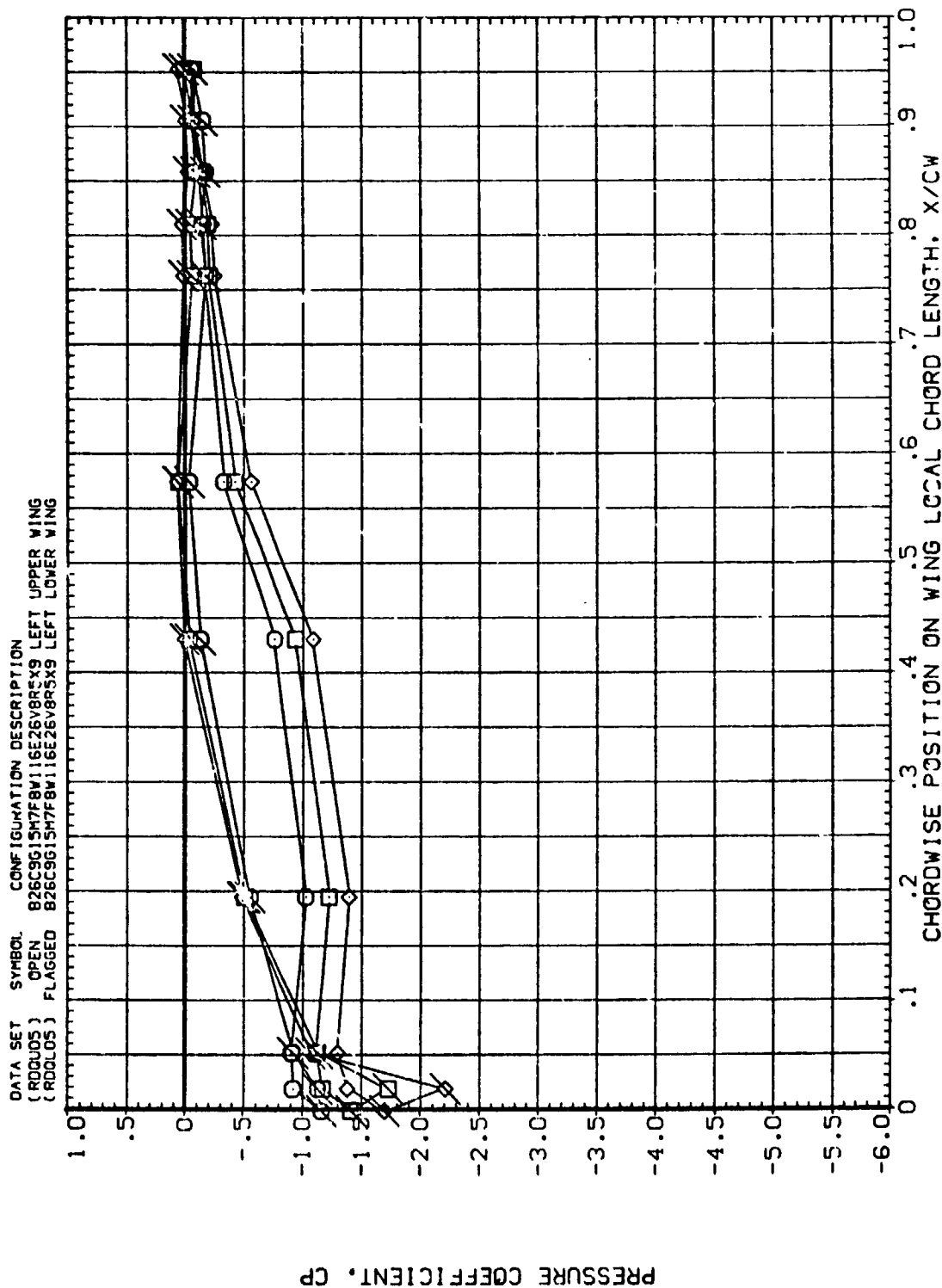


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

PARAMETRIC VALUES

PARAMETER	VALUE
ELEVON	.000
BDFLAP	-14.250
RUDDER	.000
BETA	10.000

SYMBOL ALPHA Y/BW BETA

○	-2.970	.534	10.050
□	.030		
◇	5.020		

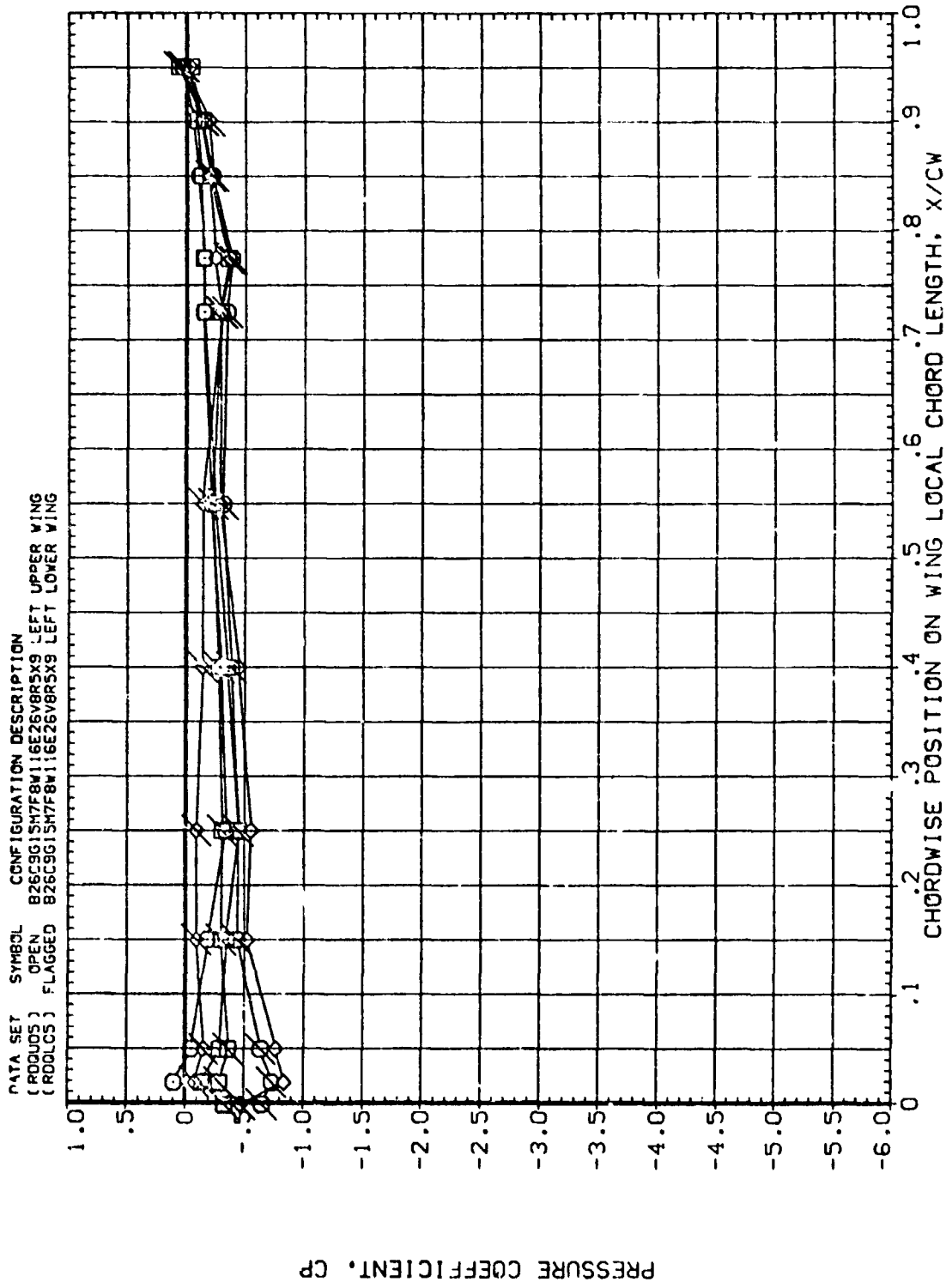


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

3-80L
□ ○ ◇

ALPHA 10.120
13.190
16.220

Y/BV .534

BETA 10.050

ELEVON
BDFLAP

PARAMETRIC VALUES
.000 RUDDER
-14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RODOUS) OPEN B26C9615H7F8W116E26V8R5X9 LEFT UPPER WING
(RODOUS) FLAGGED B26C9615H7F8W116E26V8R5X9 LEFT LOWER WING

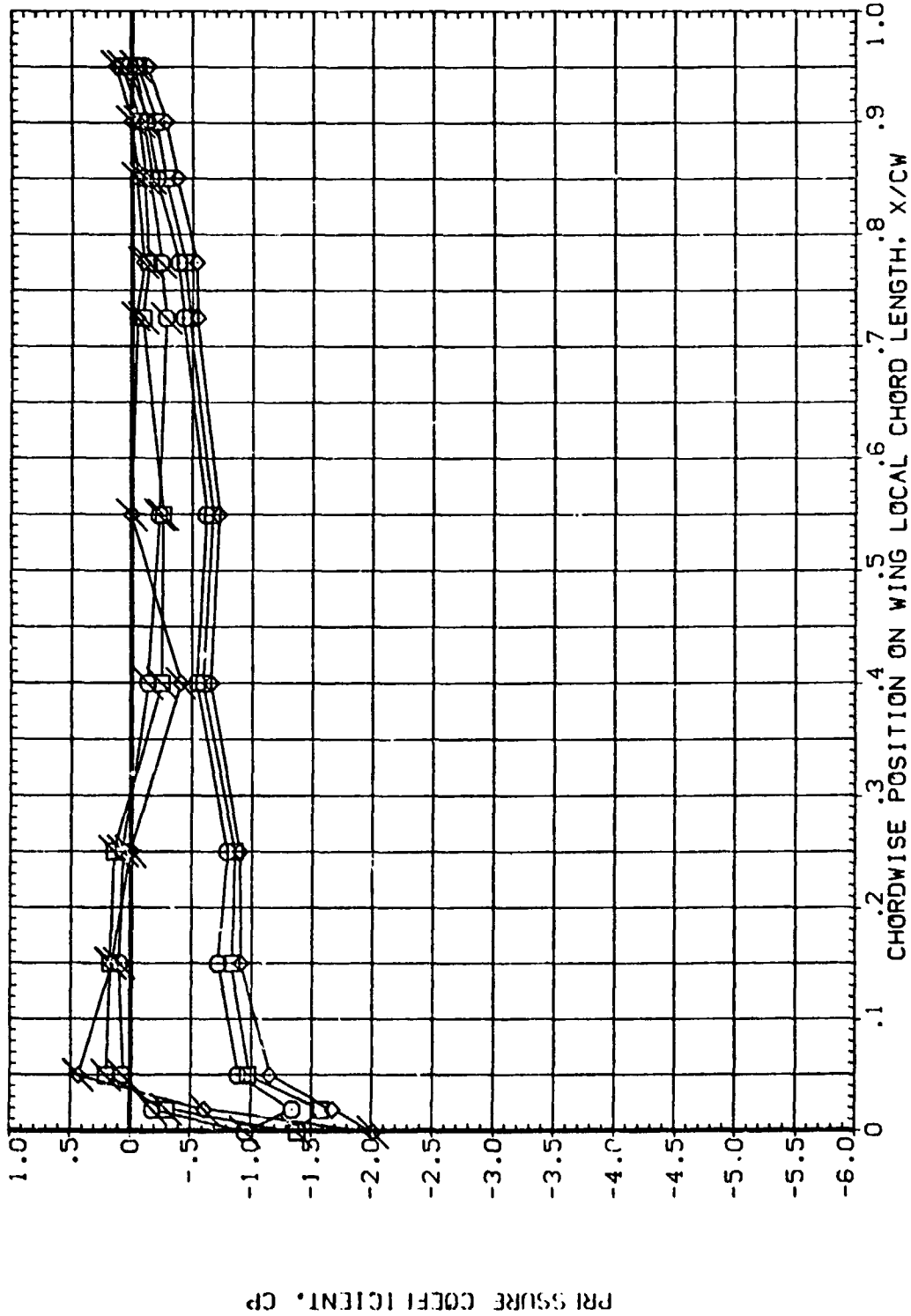


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
	-2.970 .030 5.020	.673	10.050	
□				ELEVON
◇				BDFLAP
				-14.250
				BETA
				10.000

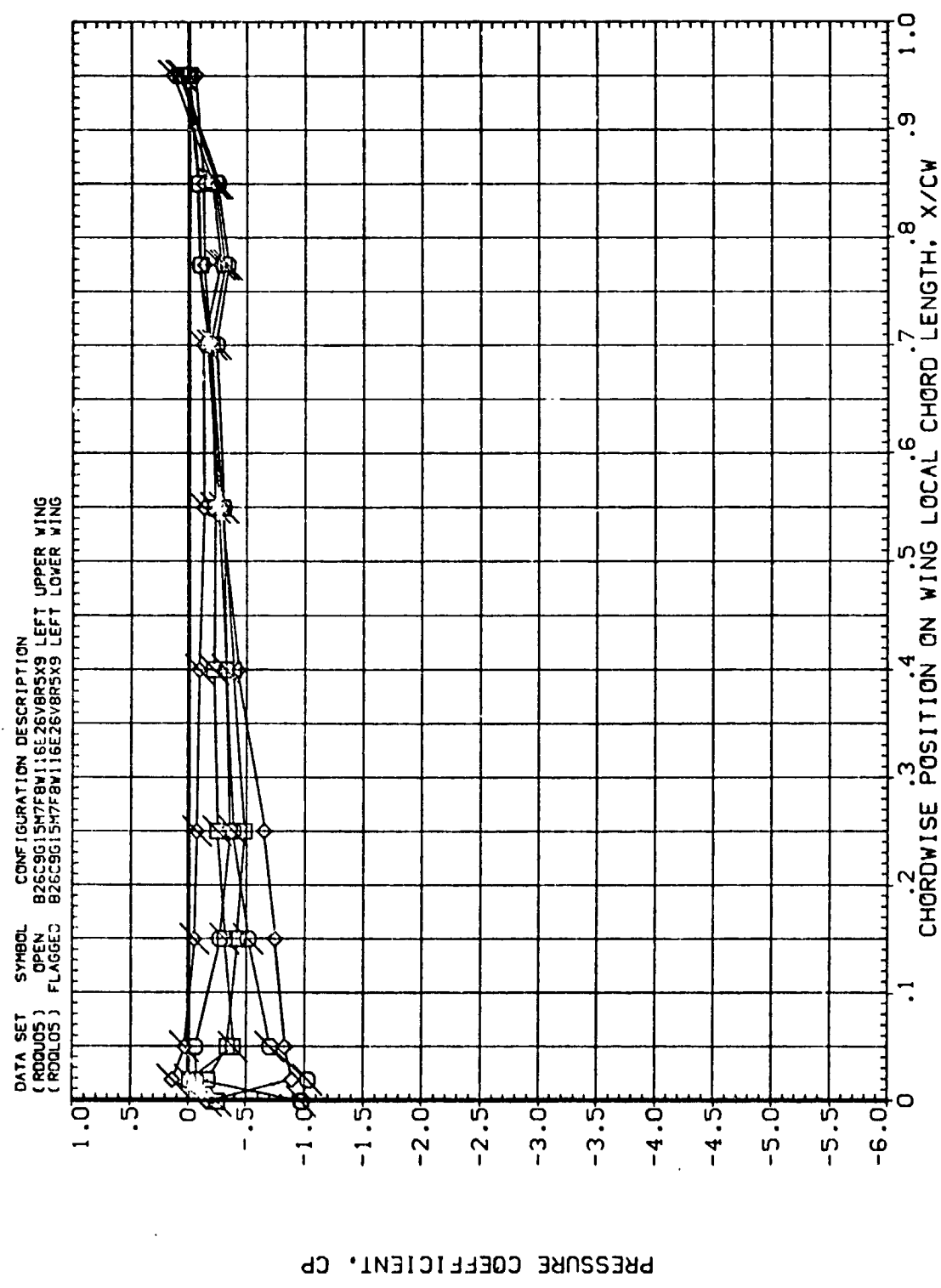


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.673	10.050	80FLAP	.000 RUDDER
□	13.190				.000 BETA
◇	16.220				-14.250 BETA

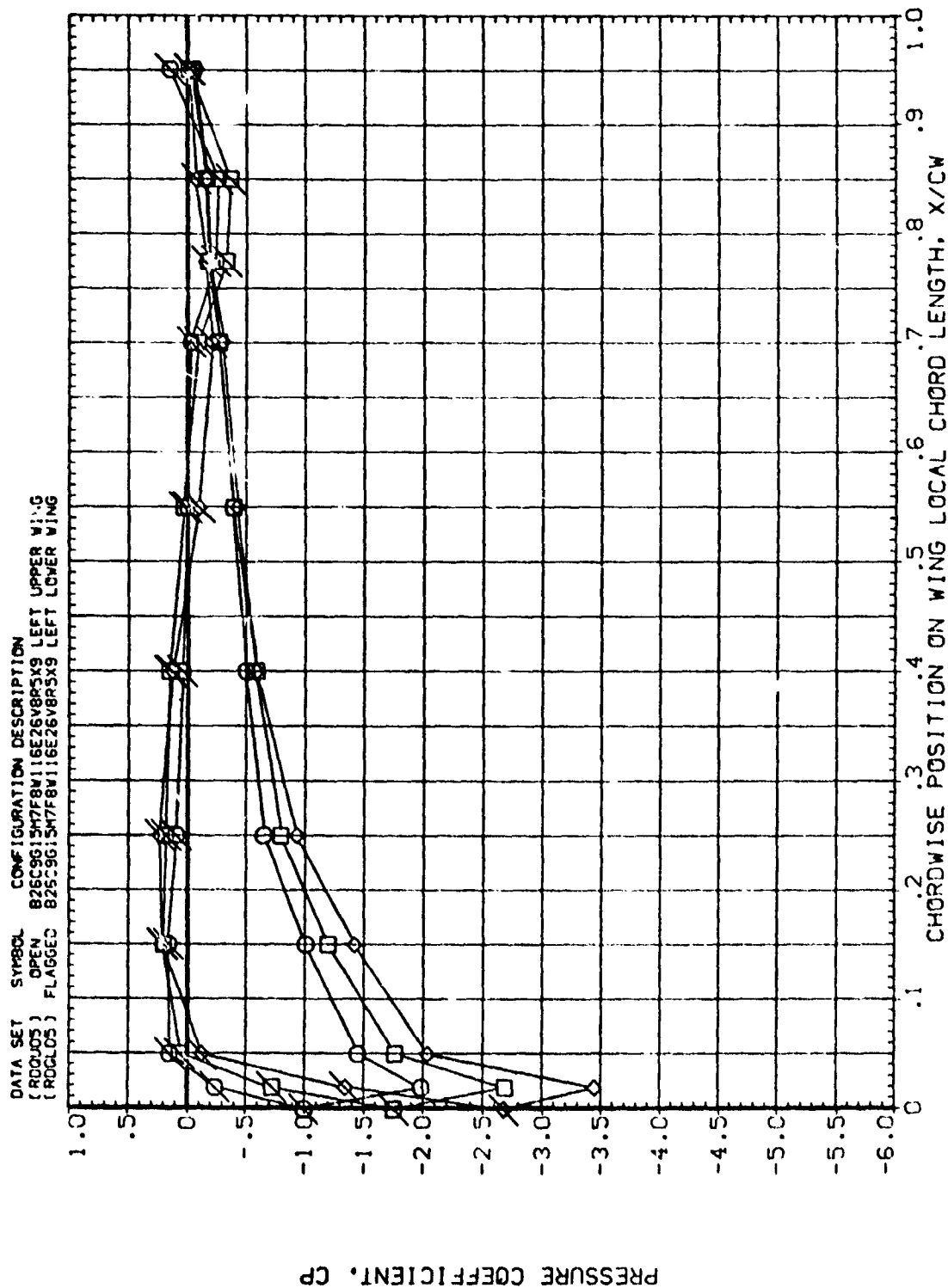


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	V/BV	BETA	PARAMETRIC VALUES	
	-2.970 .030 5.020	.780	10.050	ELEVON 80FLAP	.000 -14.250 10.000

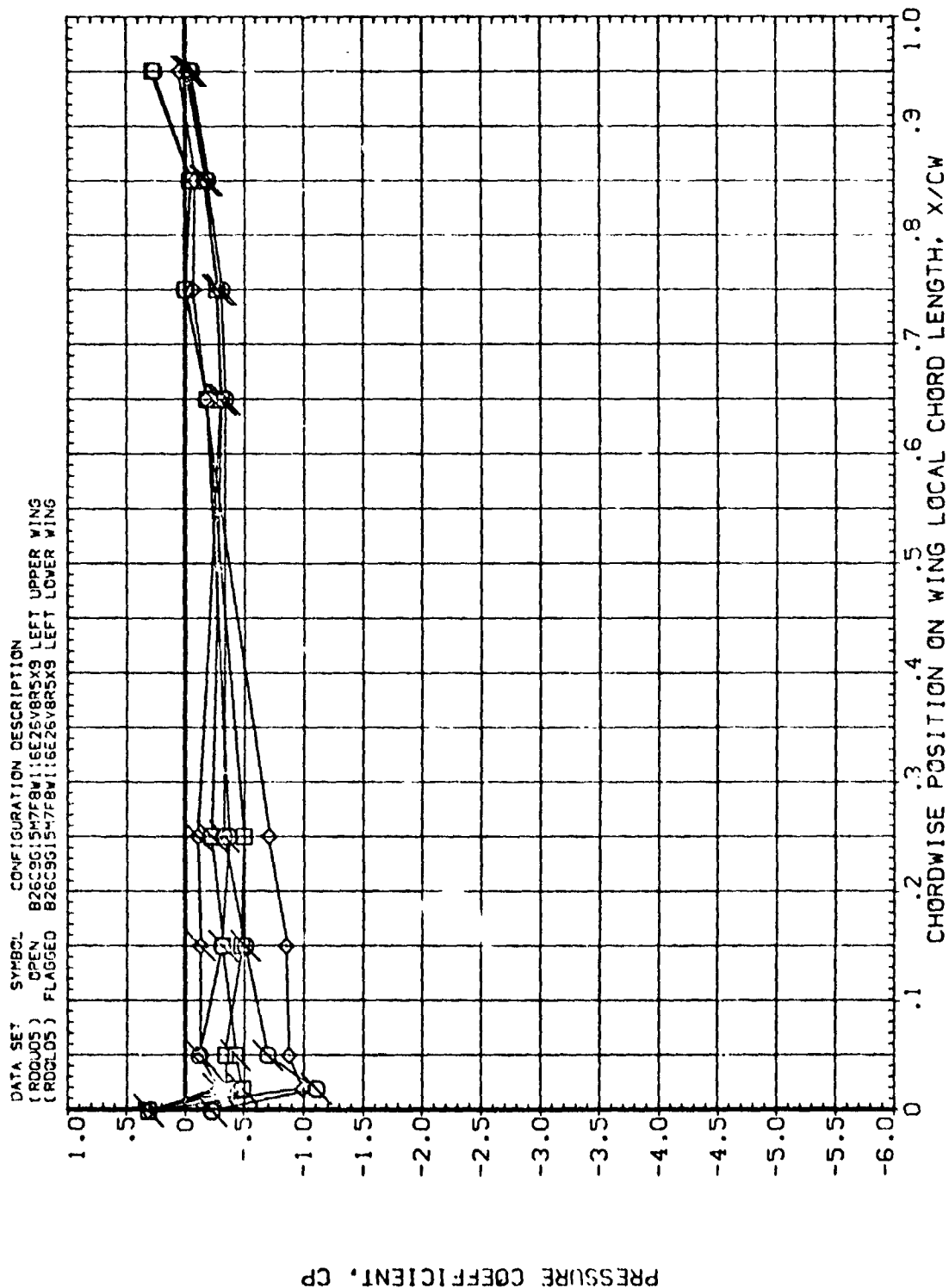


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	10.120	.780	10.050	ELEVON	.000 RUDDER
	13.190			BDFLAP	-14.250 BETA
	16.220				10.000

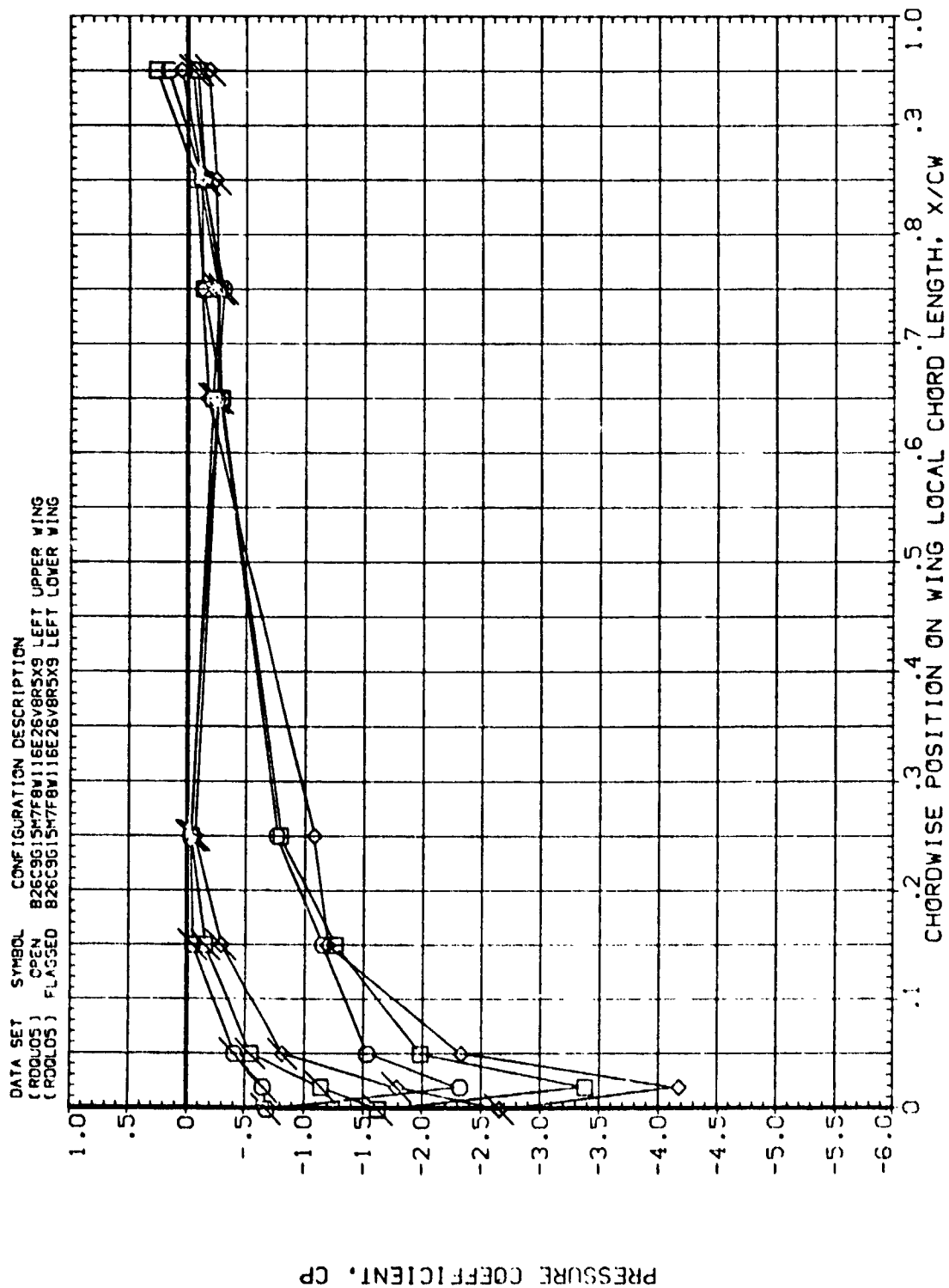


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL ALPHA Y/BV BETA
 -2.970 .887 10.050
 .030
 5.020

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

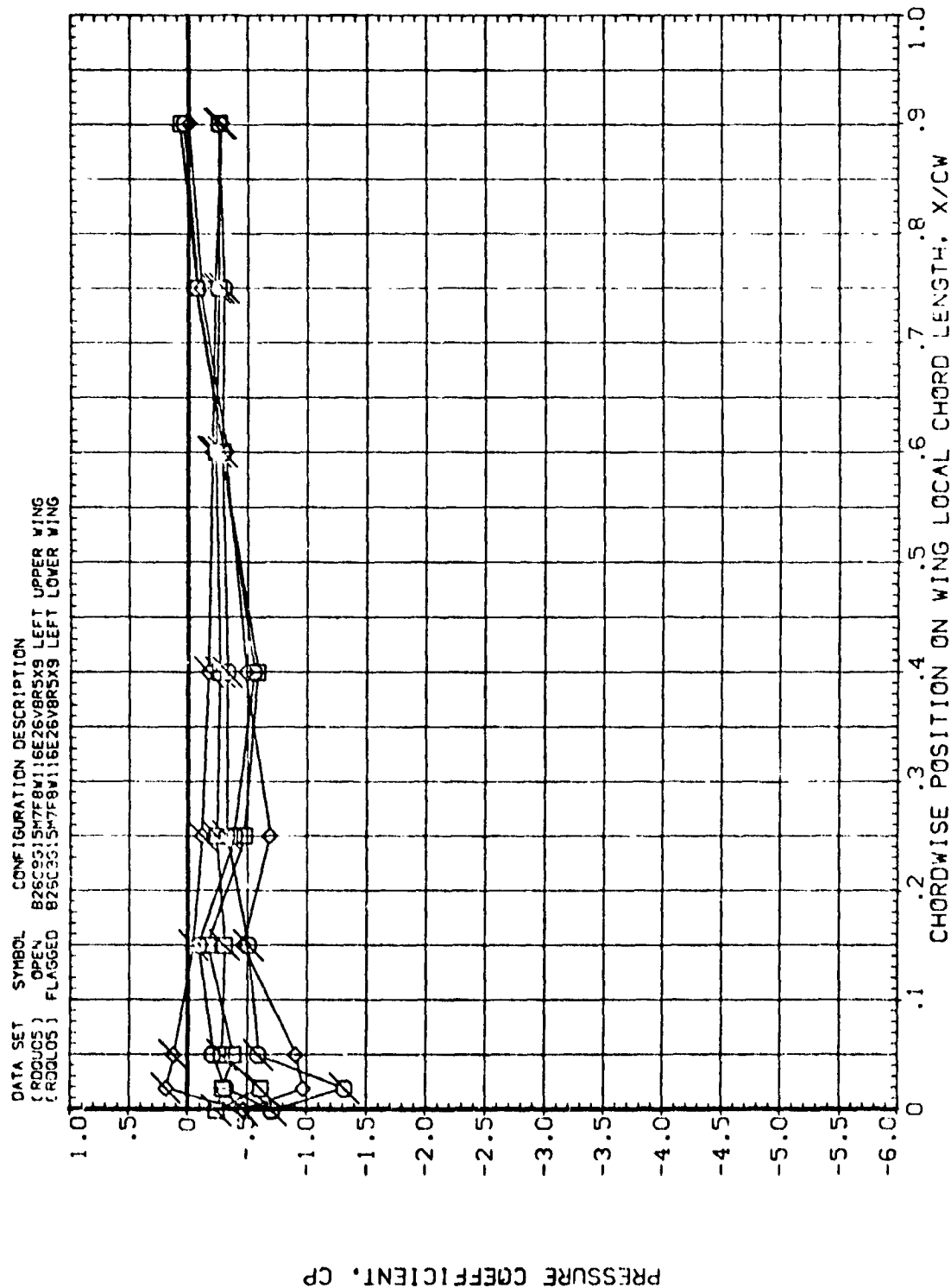


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = C, BETA = +10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.887	10.050	BOFLAP	.000 RUDDER
□	13.190			-14.250	BETA
◇	16.220				10.000

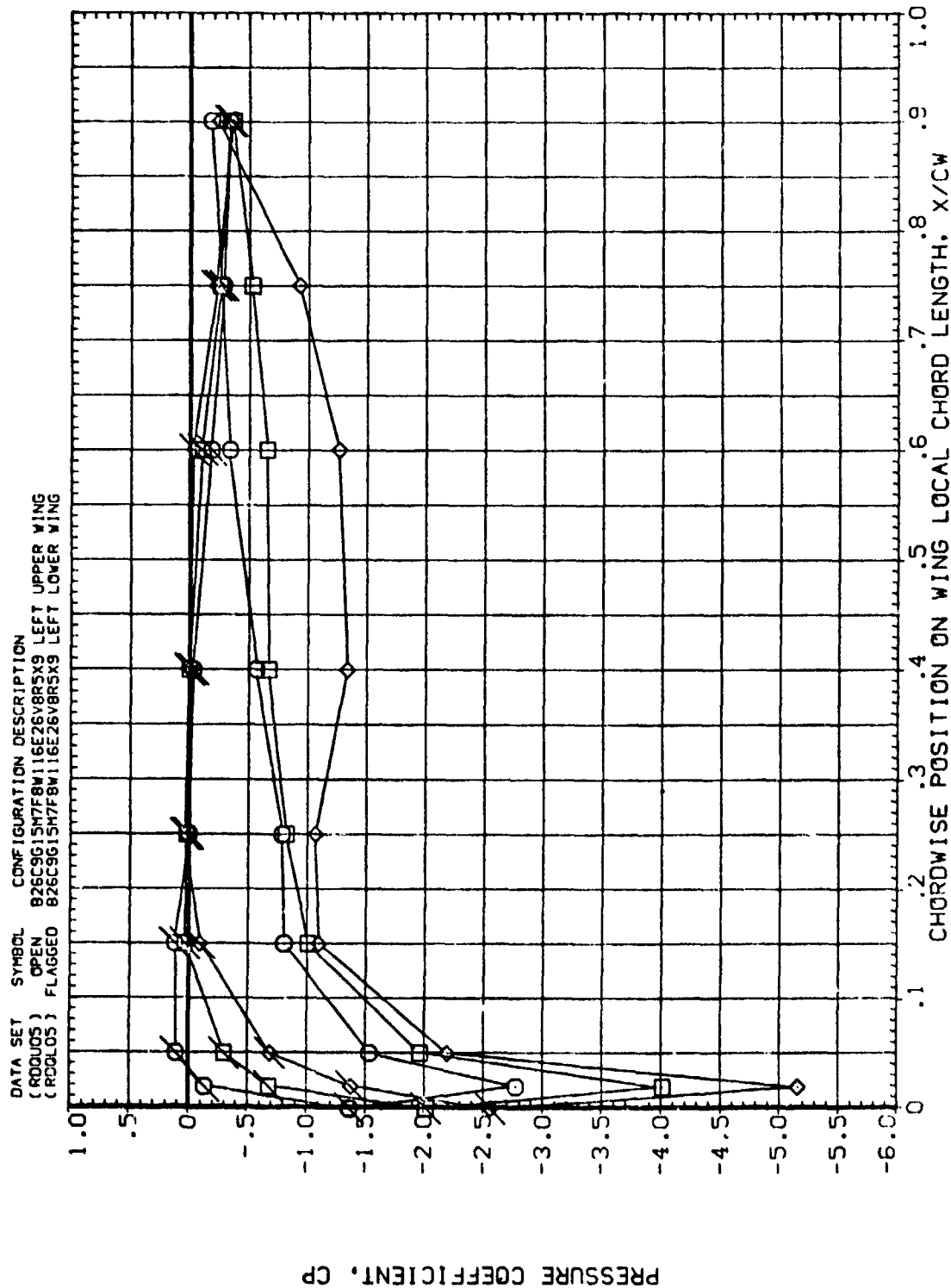


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA		PARAMETRIC VALUES
□	-2.980	.299	-10.060	ELEVON	-20.000 PUDDER .000
◇	.020			BDCLAP	-14.250 BETA -10.000
	5.020				

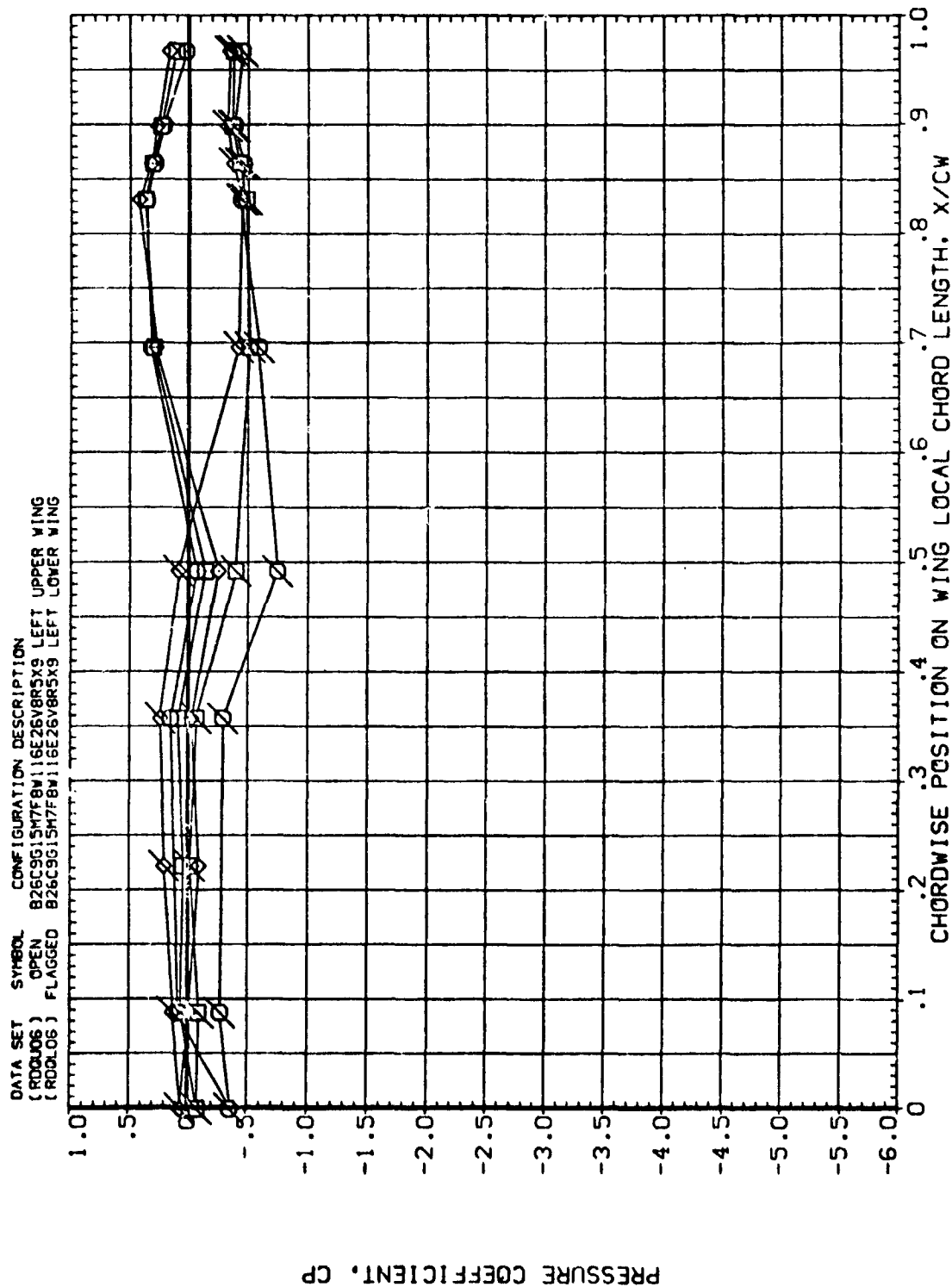


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	10.090 13.190 16.220	.299	-10.060	ELEVON BOFLAP	-20.000 -14.250
				RUDDER	.000
				BETA	-10.000

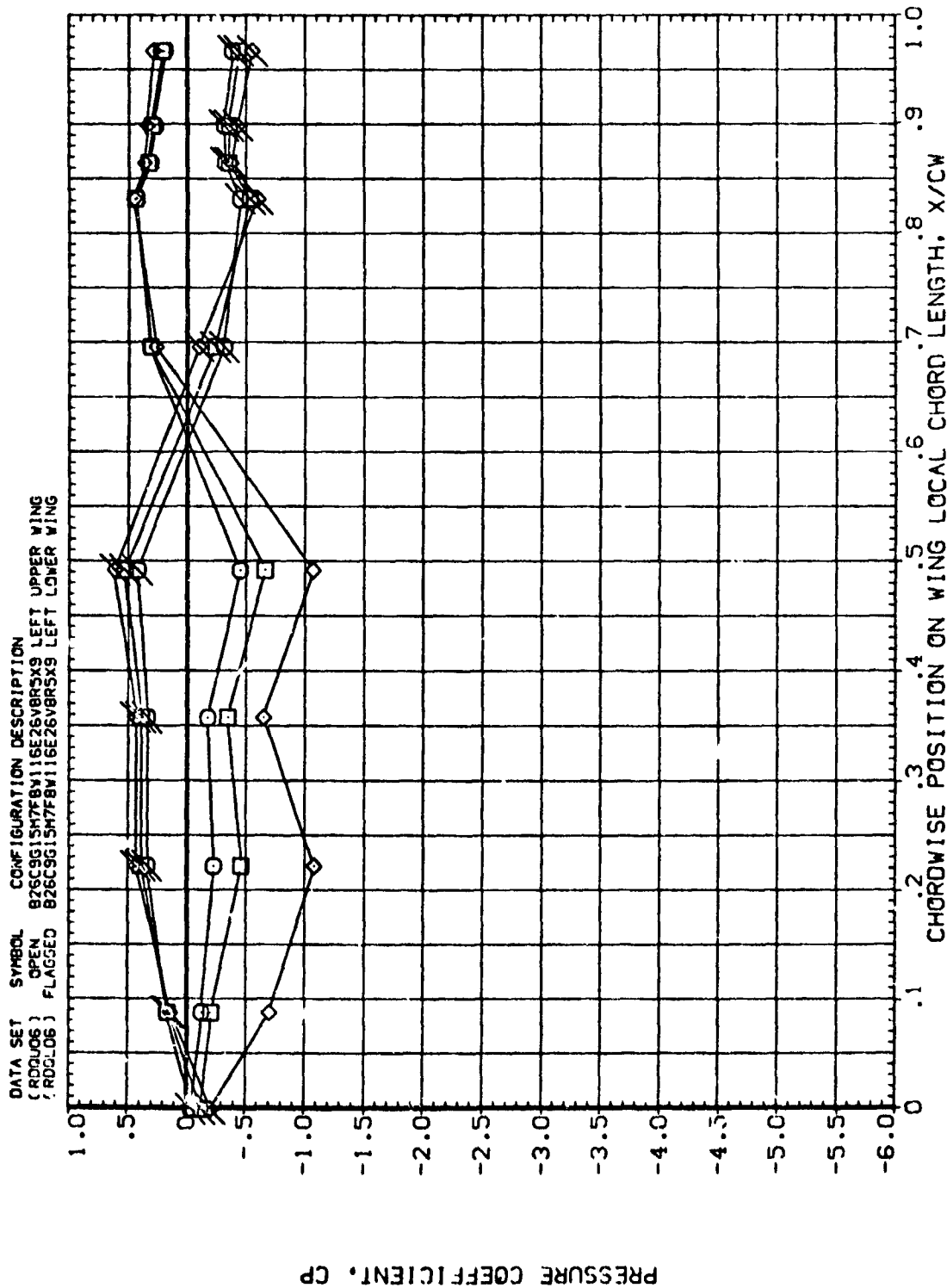


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT. ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA		PARAMETRIC VALUES
□	-2.980	.352	-10.060	ELEVON	-20.000 RUDDER .000
◇	.020			BOFLAP	-14.250 BETA -10.000
◇	5.020				

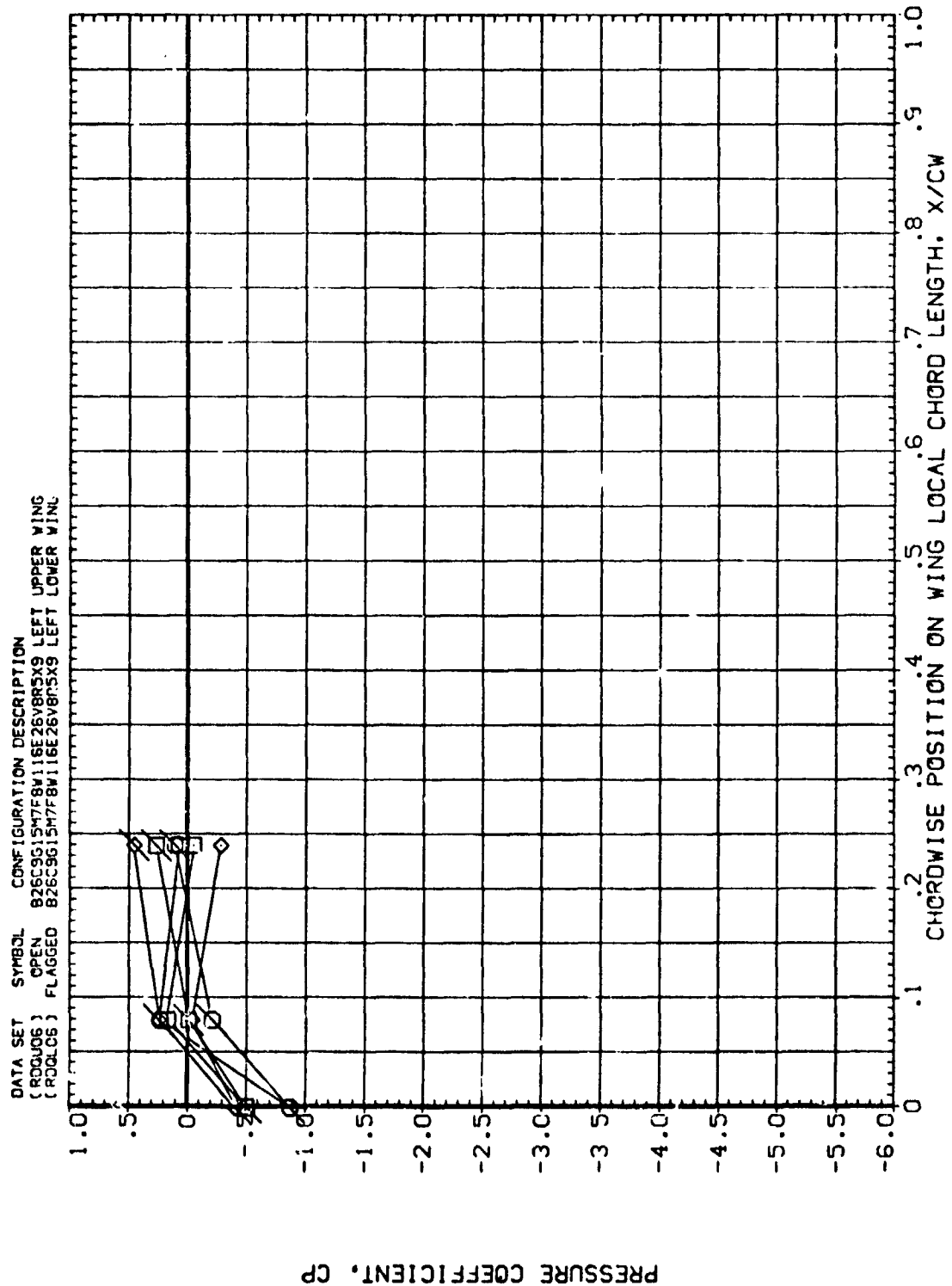


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
□	10.090	.352	-10.060	ELEVON	-20.000	RUDDER
◇	13.190			BDFLAP	-14.250	BETA
	16.220					-10.000

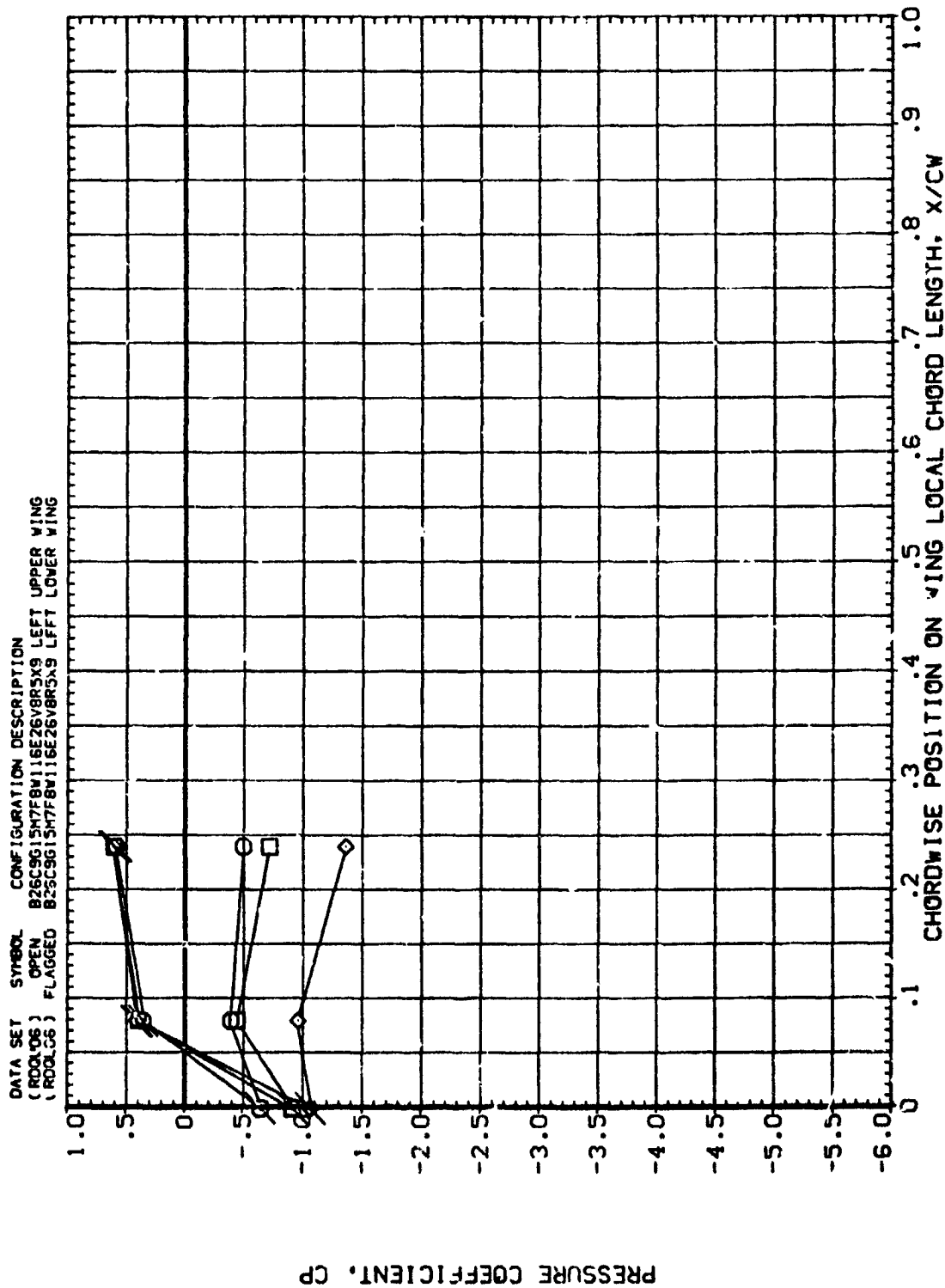


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	-2.98C	.405	-10.060	BDCLAP	-20.000 RUDDER
□	.020				-14.250 BETA
◇	5.020				-10.000

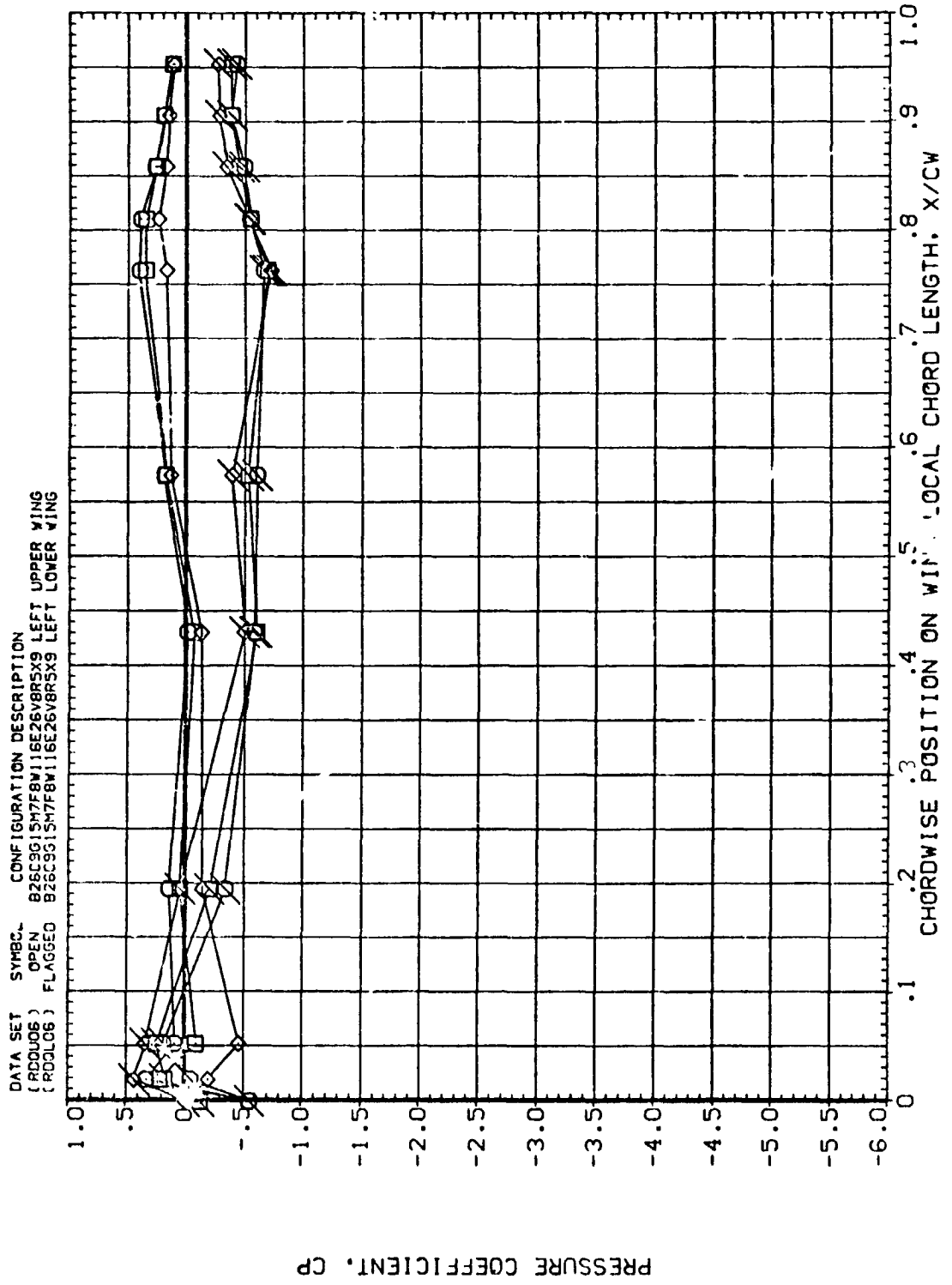


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.090	.405	-10.060	BCFLAP	-20.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				-10.000

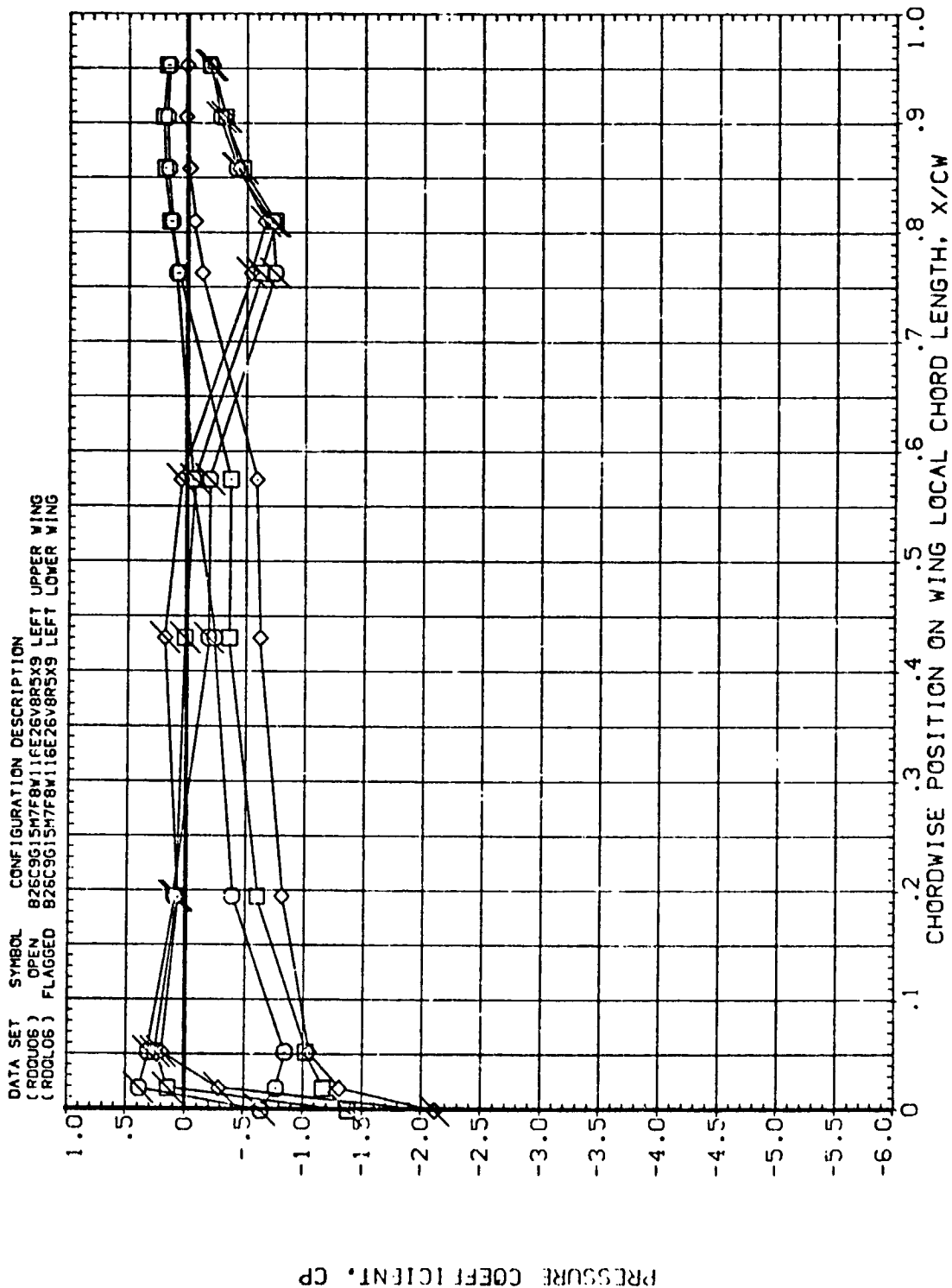


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	-2.980	.534	-10.060	ELEVON
□	.020			BDFLAP
◇	5.020			RUDDER
				BETA
				-10.000

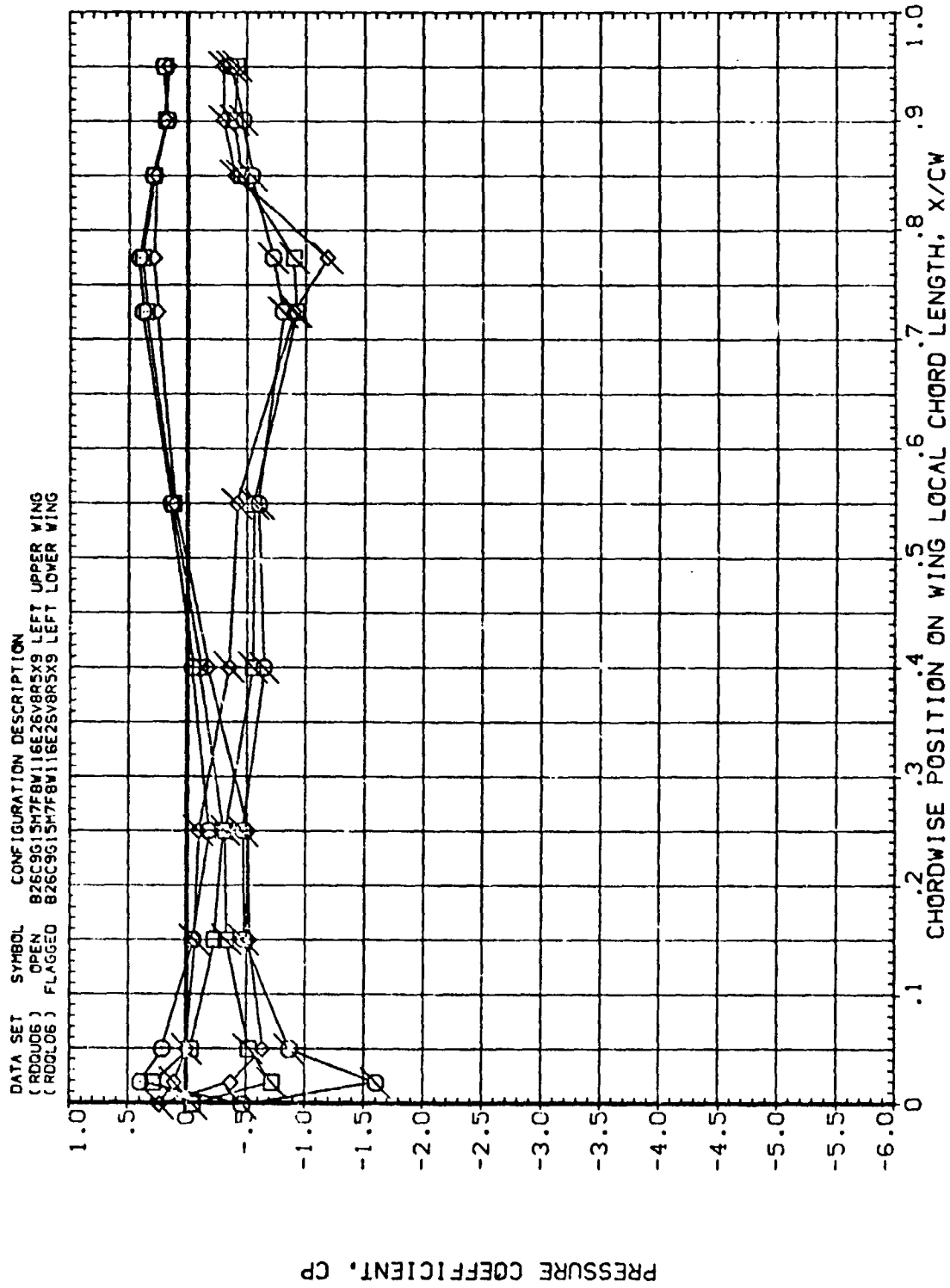


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
◇	10.090	.534	-10.060	ELEVON	-20.000	RUDDER
□	13.190			BOFLAP	-14.250	BETA
○	16.220					-10.000

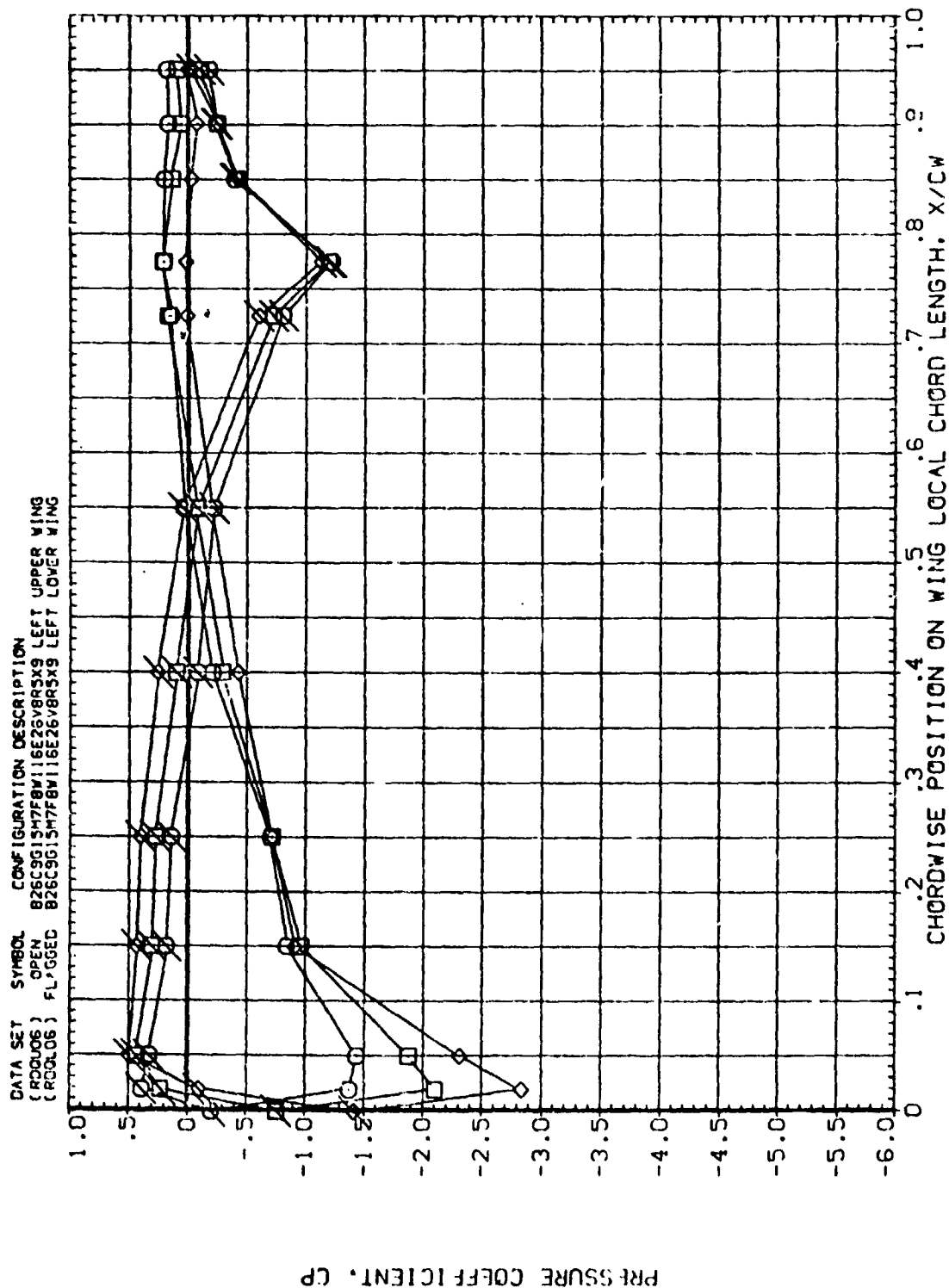


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	PARAMETRIC VALUES
□	-2.980	.673	-10.060	-20.000	RUDDER .000
◇	.020			-14.250	BETA -10.000
◇	5.020				

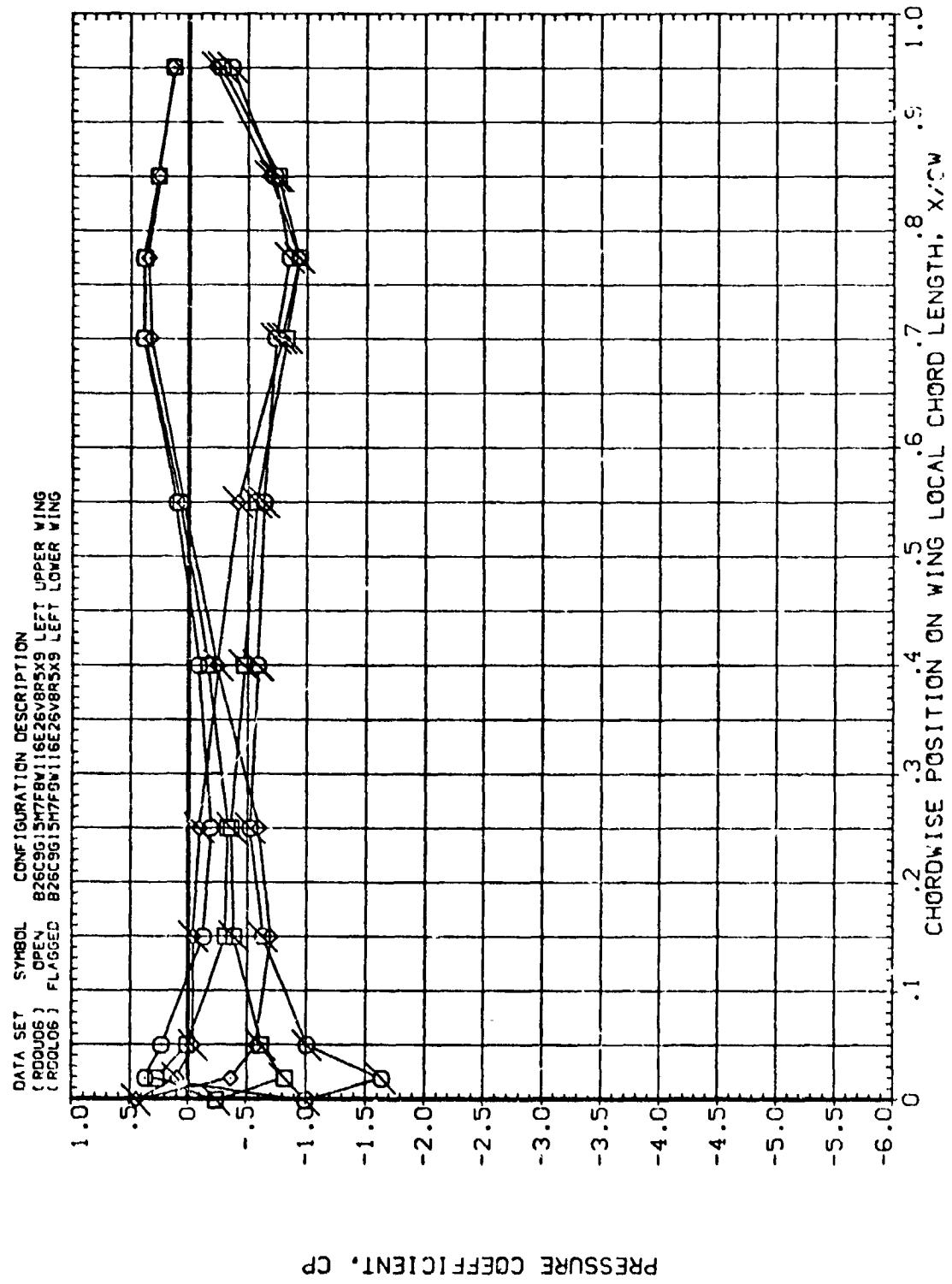


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	RUDDER	PARAMETRIC VALUES
○	12.090	.673	-10.060	-20.000	-10.000	
□	13.190			-14.250	BETA	
◇	16.220					

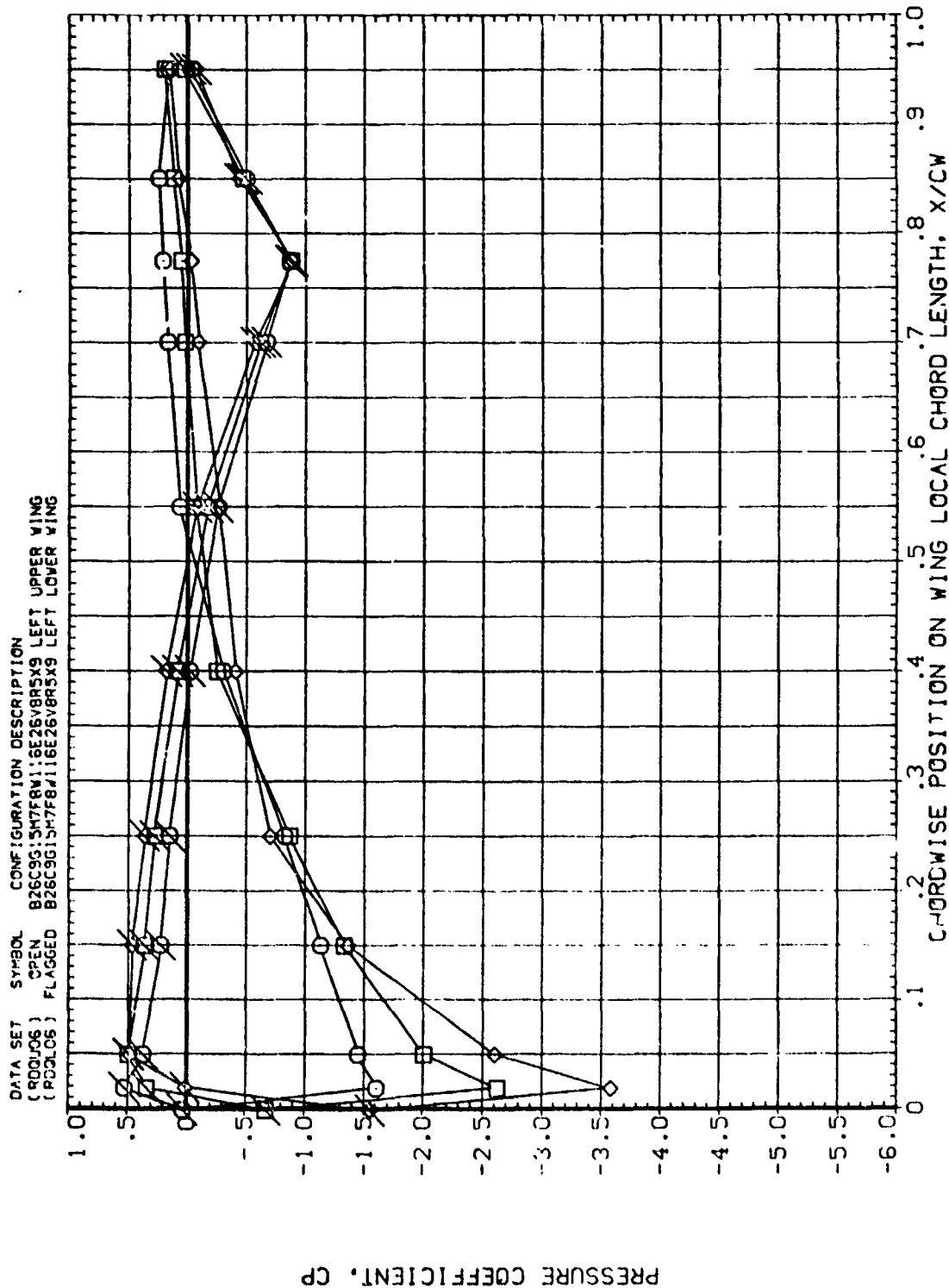


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL ALPHA Y/BW BETA ELEVON RUDDER .000 .000
 □ -2.980 .780 -10.060 BDFLAP -14.250 BETA -10.000
 ○ .020
 ◇ 5.020

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R0206) OPEN B26C9G15M7F8W116E28V8R5X9 LEFT UPPER WING
 (R0206) FLAGGED B26C9G15M7F8W116E26V8R5X9 LEFT LOWER WING

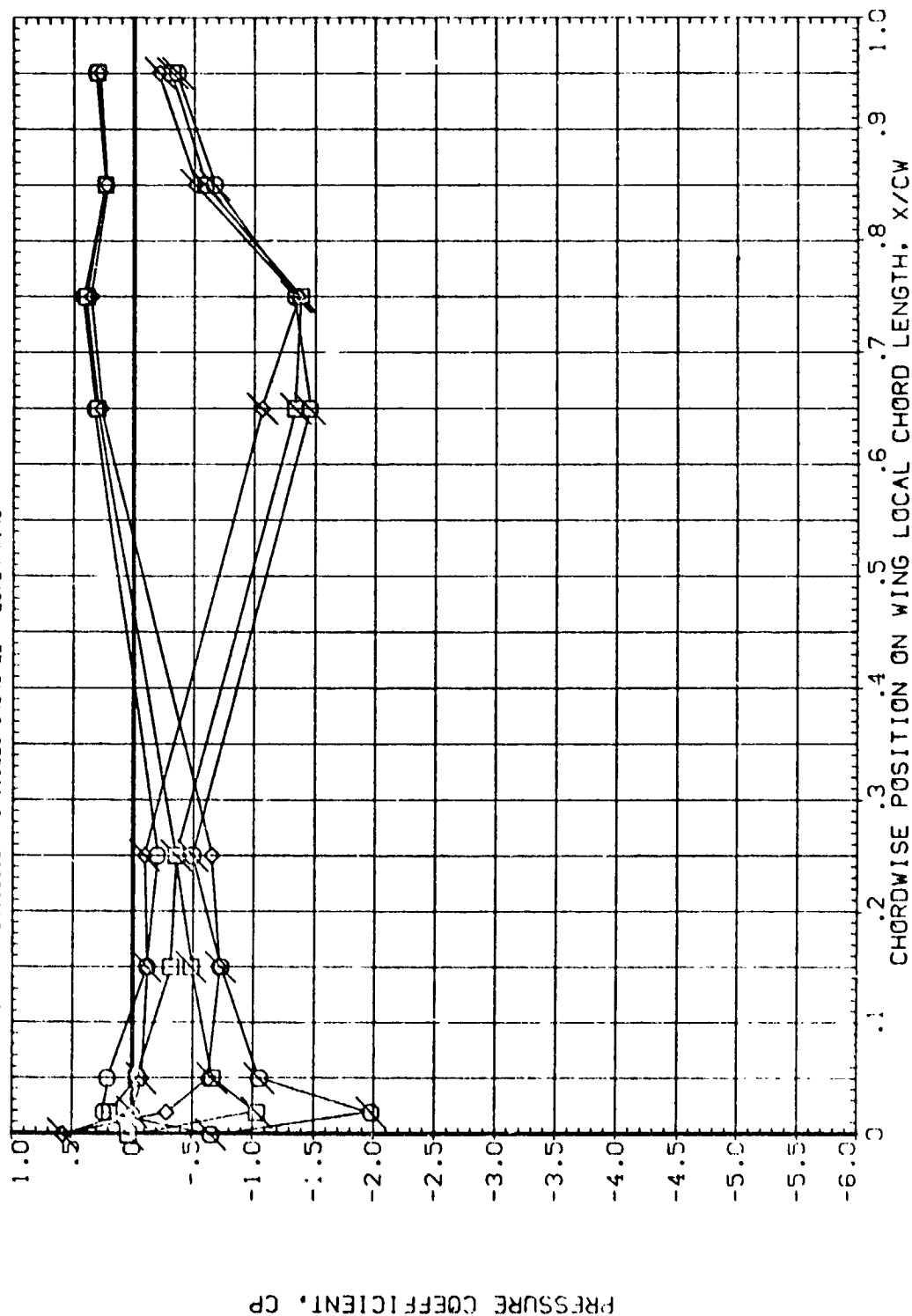


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL ALPHA Y/BW BETA
 ○ 10.090 .780 -10.060
 □ 13.190
 ◇ 16.220

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

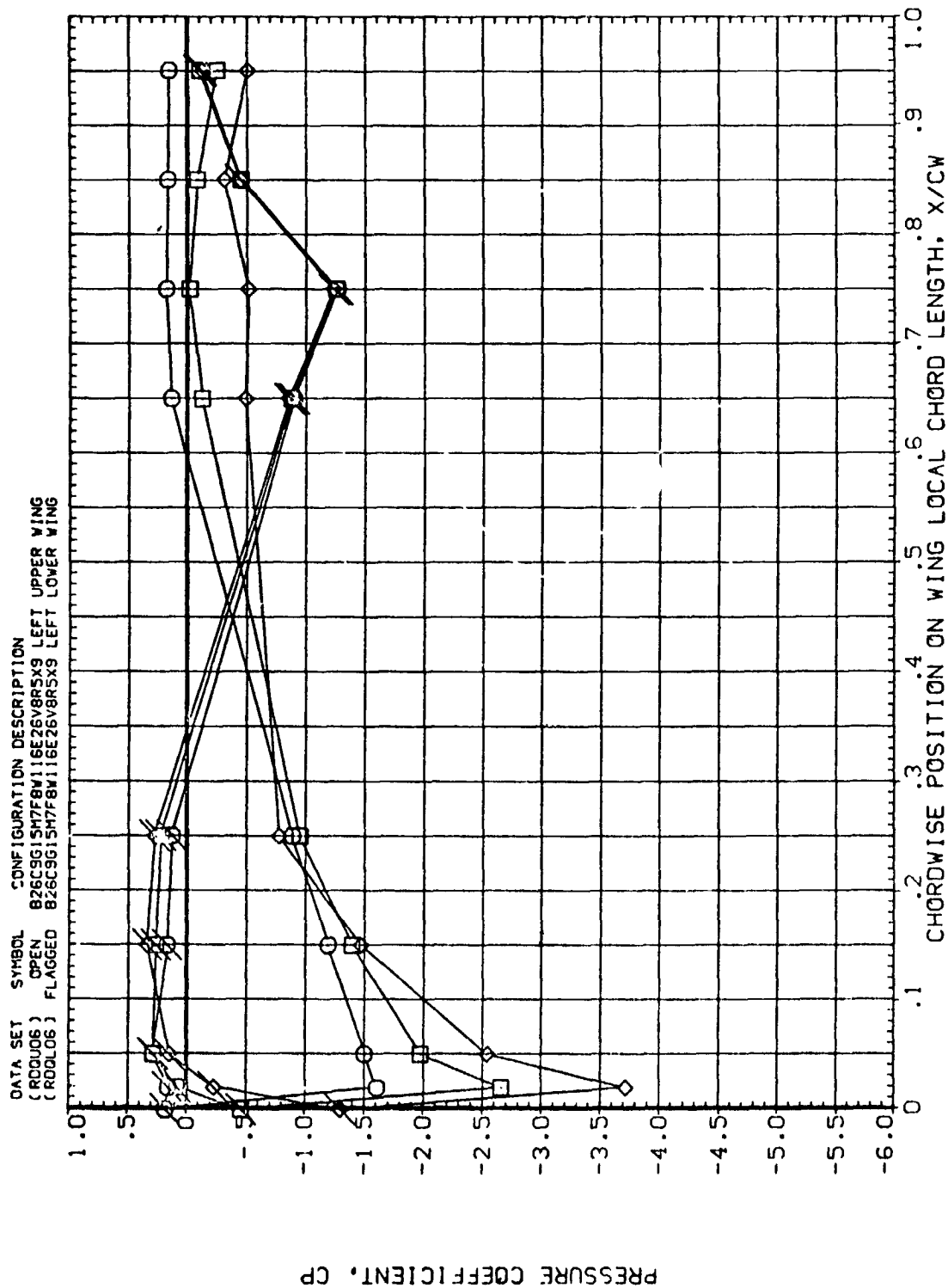


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
□	-2.980	.887	-10.060	ELEVON	-20.000	RUDDER
◇	.020			BOFLAP	-14.250	BETA
	5.020					-10.000

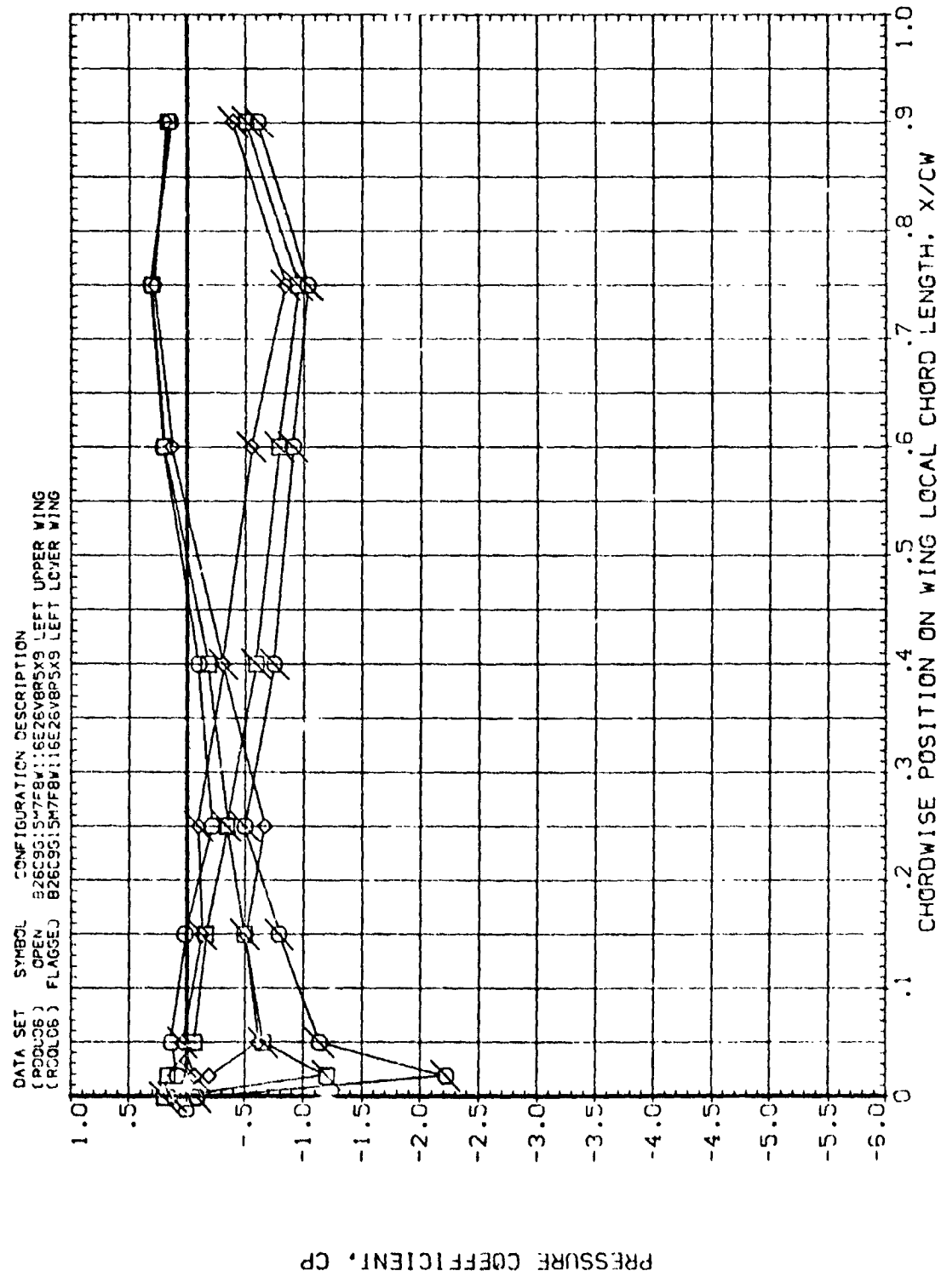


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL
○ □ ◇

ALPHA
10.090
13.190
16.220

Y/BV
.887

BETA
-10.060

PARAMETRIC VALUES
ELEVON
BD/FLAP

-20.000
-14.250

RUDDER
BETA

.000
-10.000

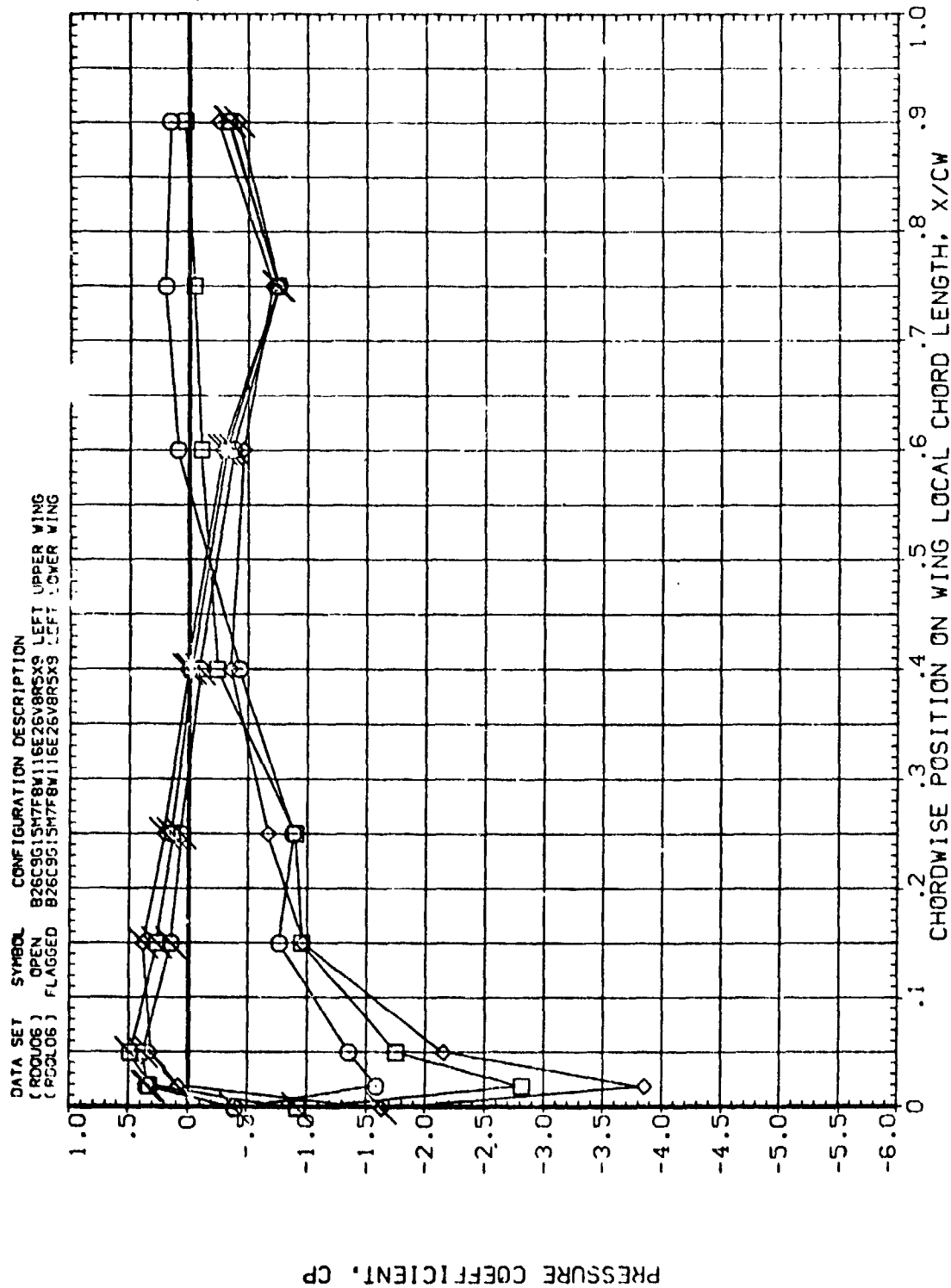


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	-2.950	.299	-0.010	ELEVON	-20.000 RUDDER
	.050			BOFLAP	-14.250 BETA
	5.030				.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P00.07) OPEN B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (P00.07) FLAGGED B26C9G15M7F8W116E26V8R5X9 LEFT LOWER WING

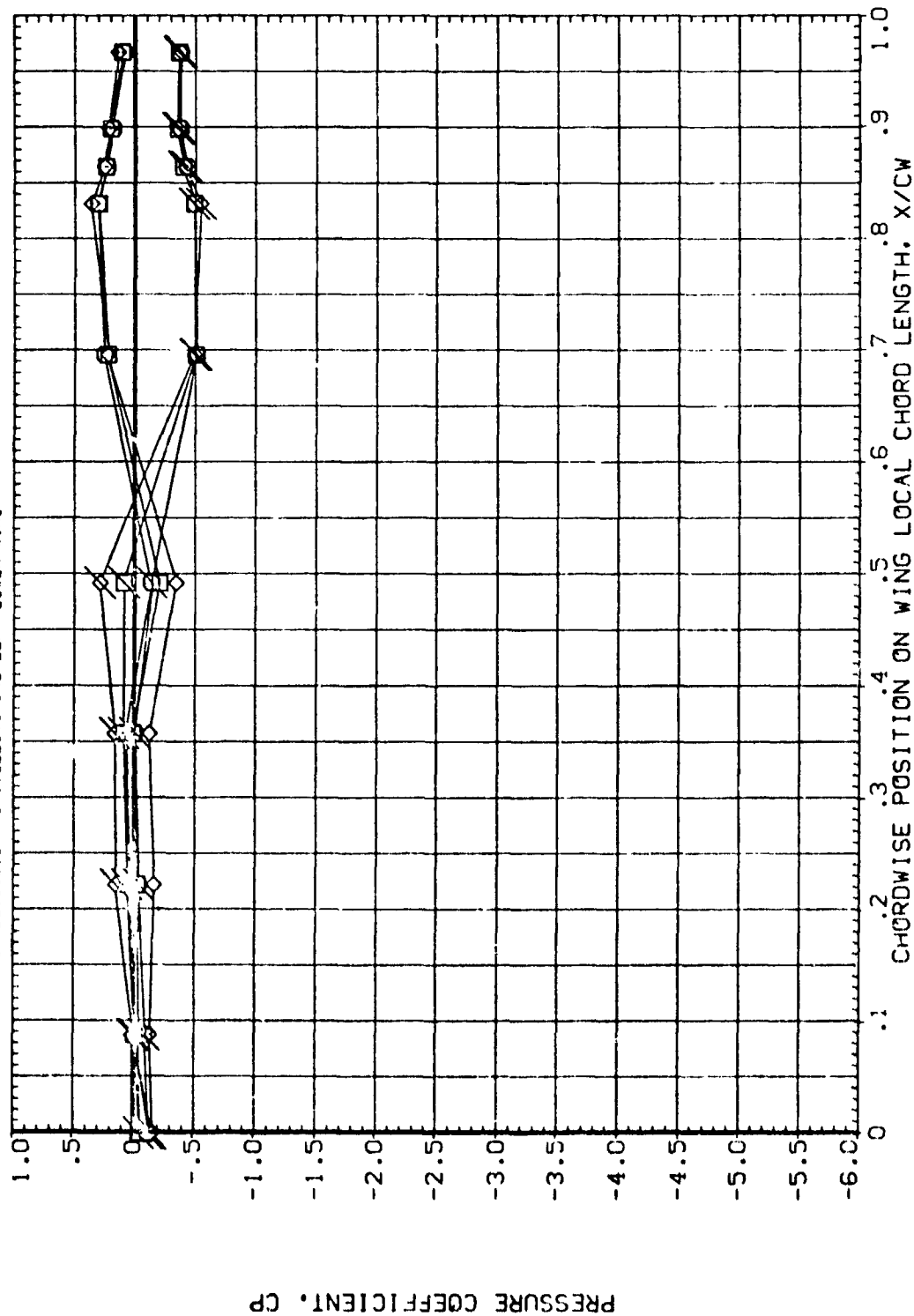


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL

ALPHA
10.100
13.220
16.240

Y/BV
.299

BETA
-.010

ELEVON
BOFLAP

PARAMETRIC VALUES
-20.000 RUDDER
-14.250 BETA

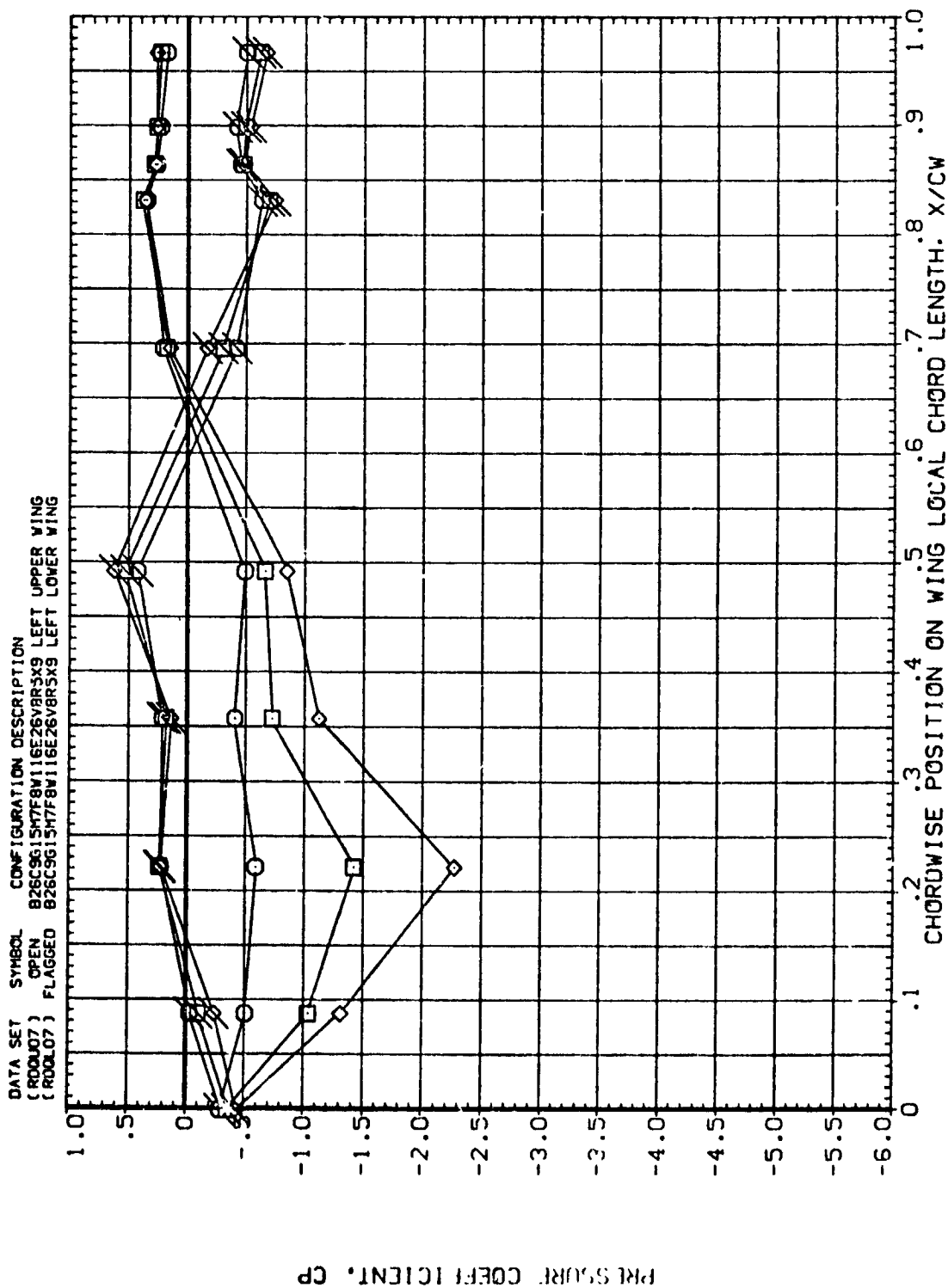


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.950	.352	-.010	BOFLAP	-20.000 RUDDER
◇	5.030				-14.250 BETA

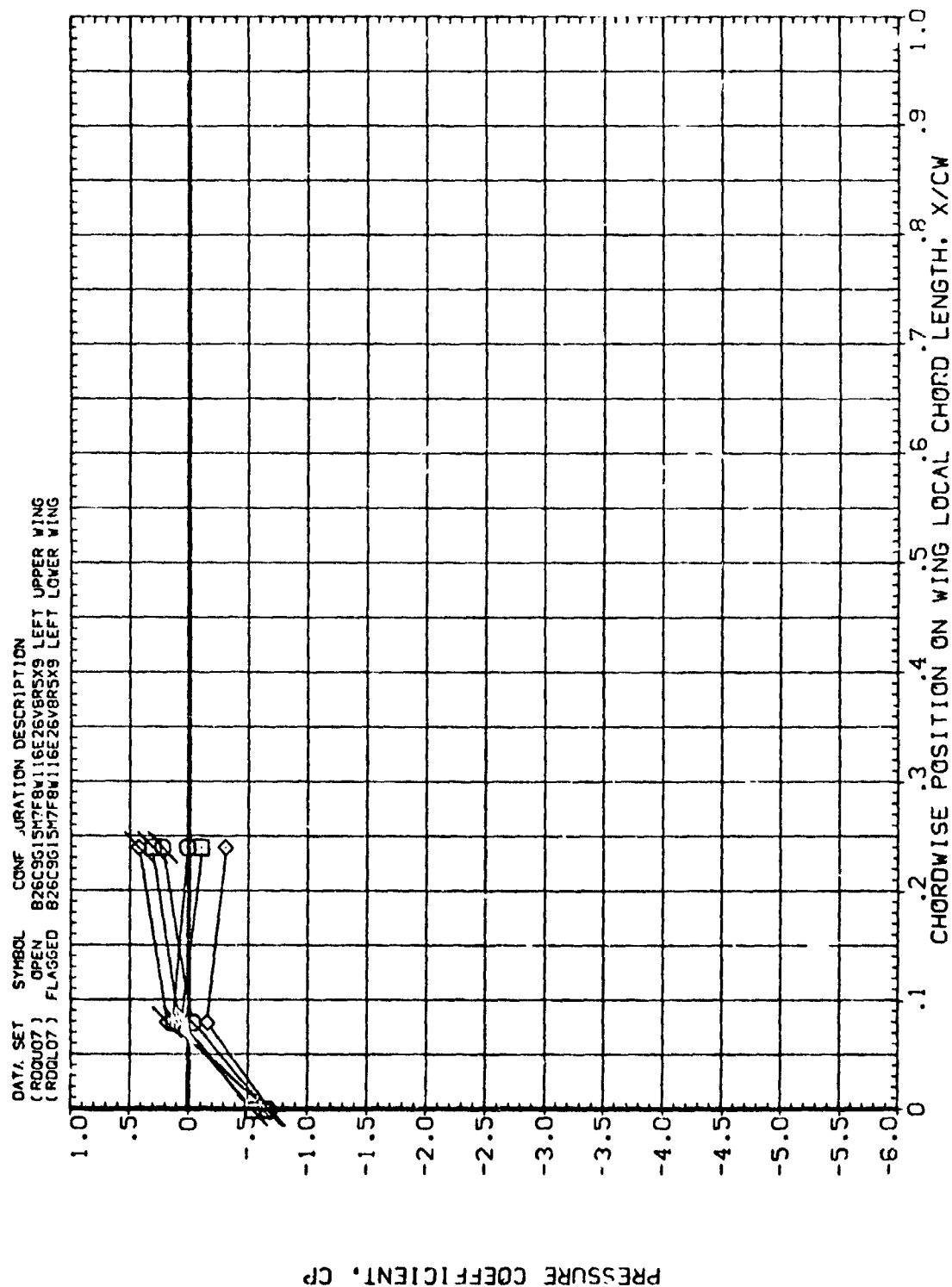


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA

SYMBOL ALPHA Y/BV BETA
○ 10.100 .352 -.010
□ 13.220
◇ 16.240

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(ROCU07) OPEN B26C9G15M758W116E26V8R5X9 LEFT UPPER WING
(ROCU07) FLAGGED B26C9G15M758W116E26V8R5X9 LEFT LOWER WING

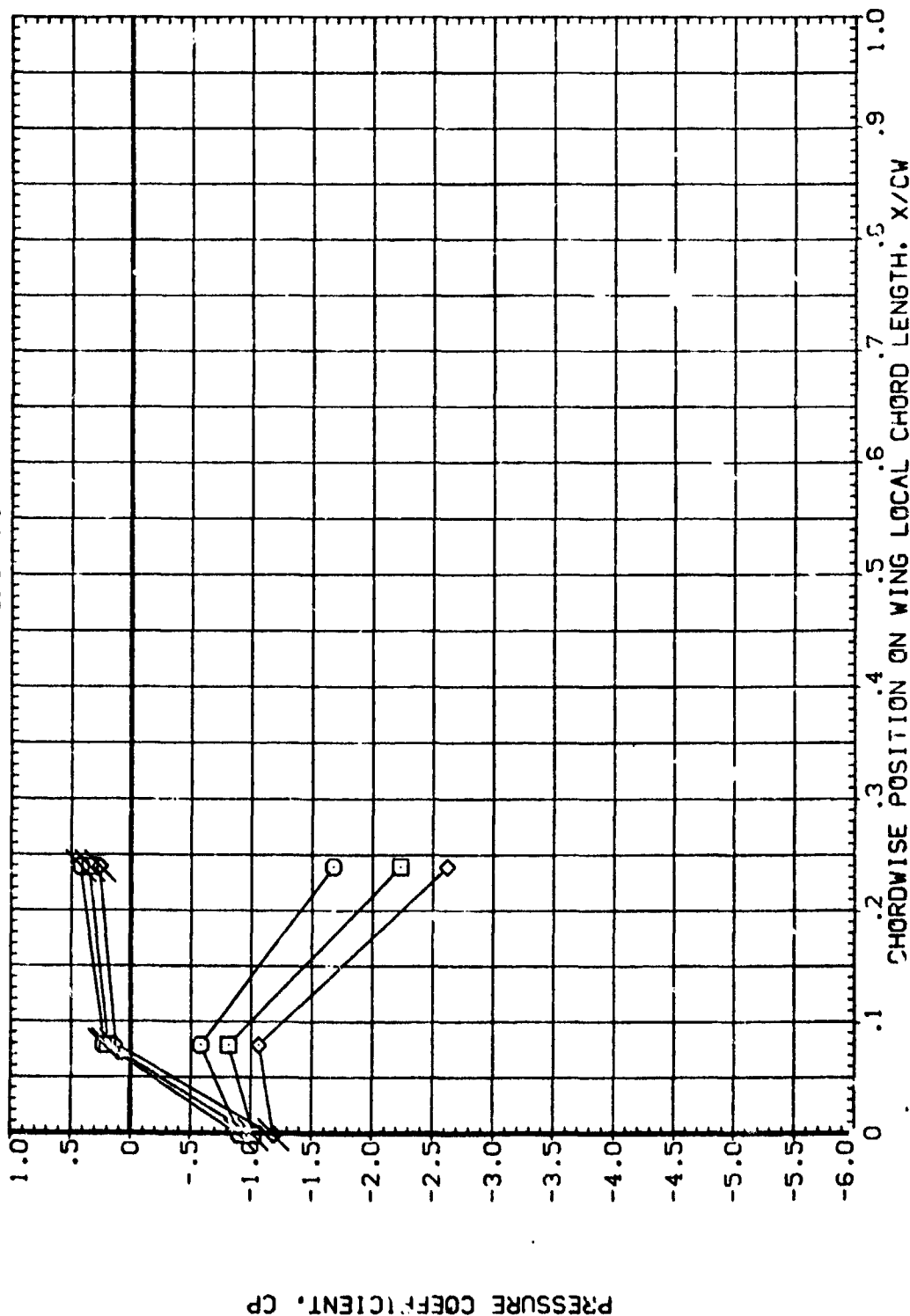


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
□	-2.950	.405	-0.010	ELEVON -20.000 RUDDER .000
◇	.050			BDFLAP -14.250 BETA .000
◇	5.030			

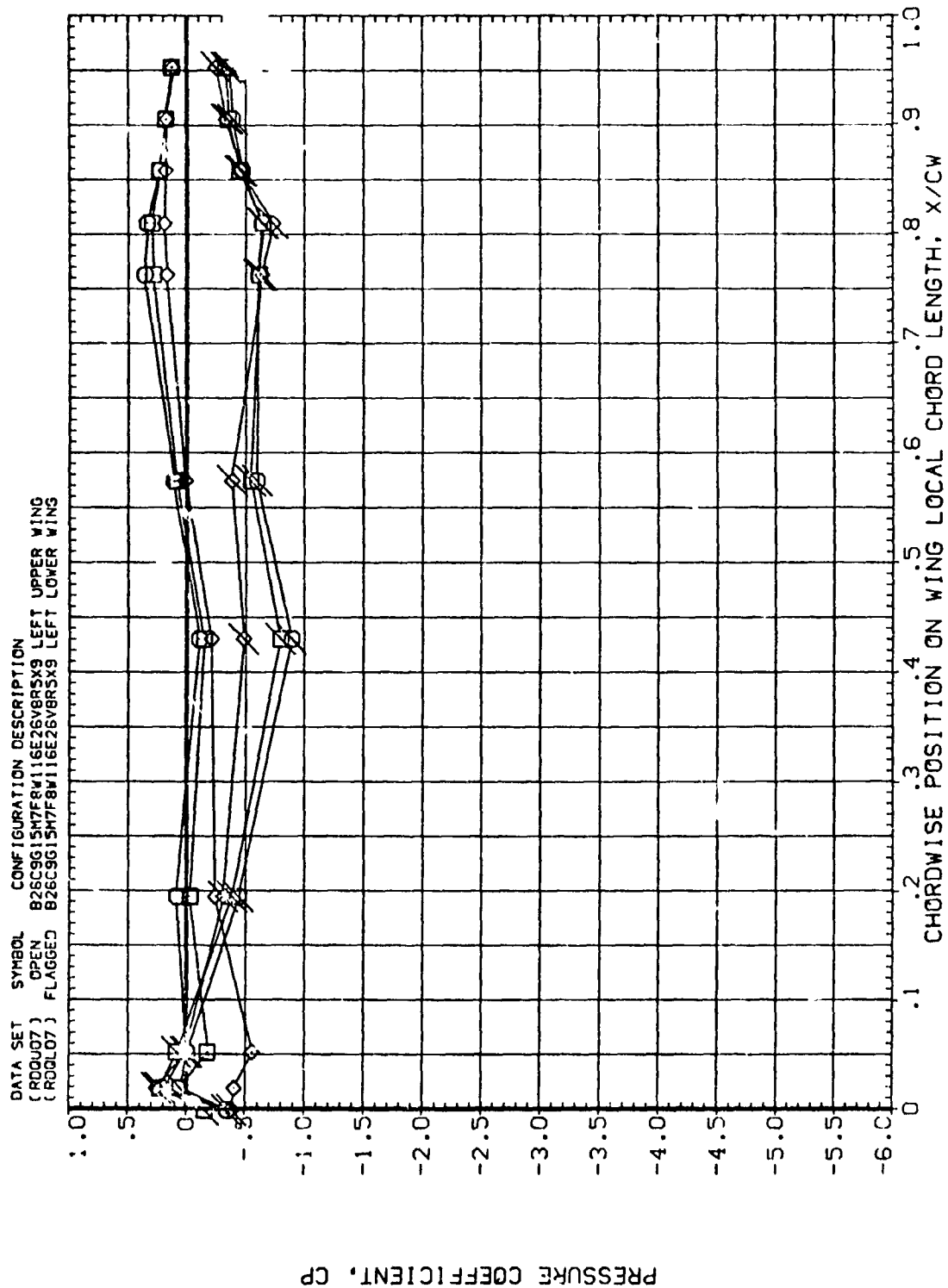


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL
 ○ □ ◇

ALPHA
 10.100
 13.220
 16.240

Y/BV .405
 BETA -.010

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA .000

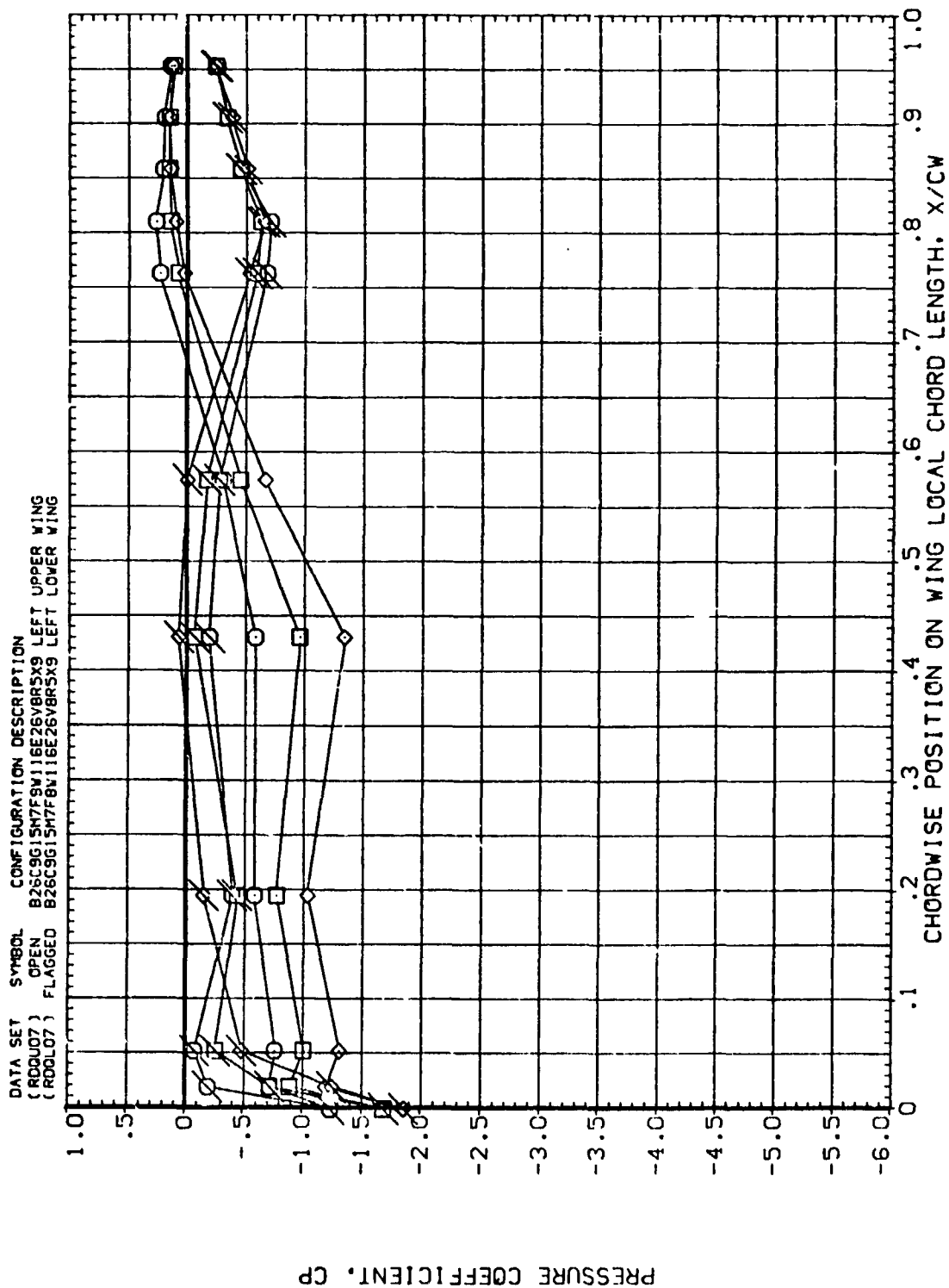


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BOFLAP -14.250 BETA .000

SYMBOL ALPHA Y/BV BETA
◇ -2.95 .534 -.010
□ -0.50
◇ 5.030

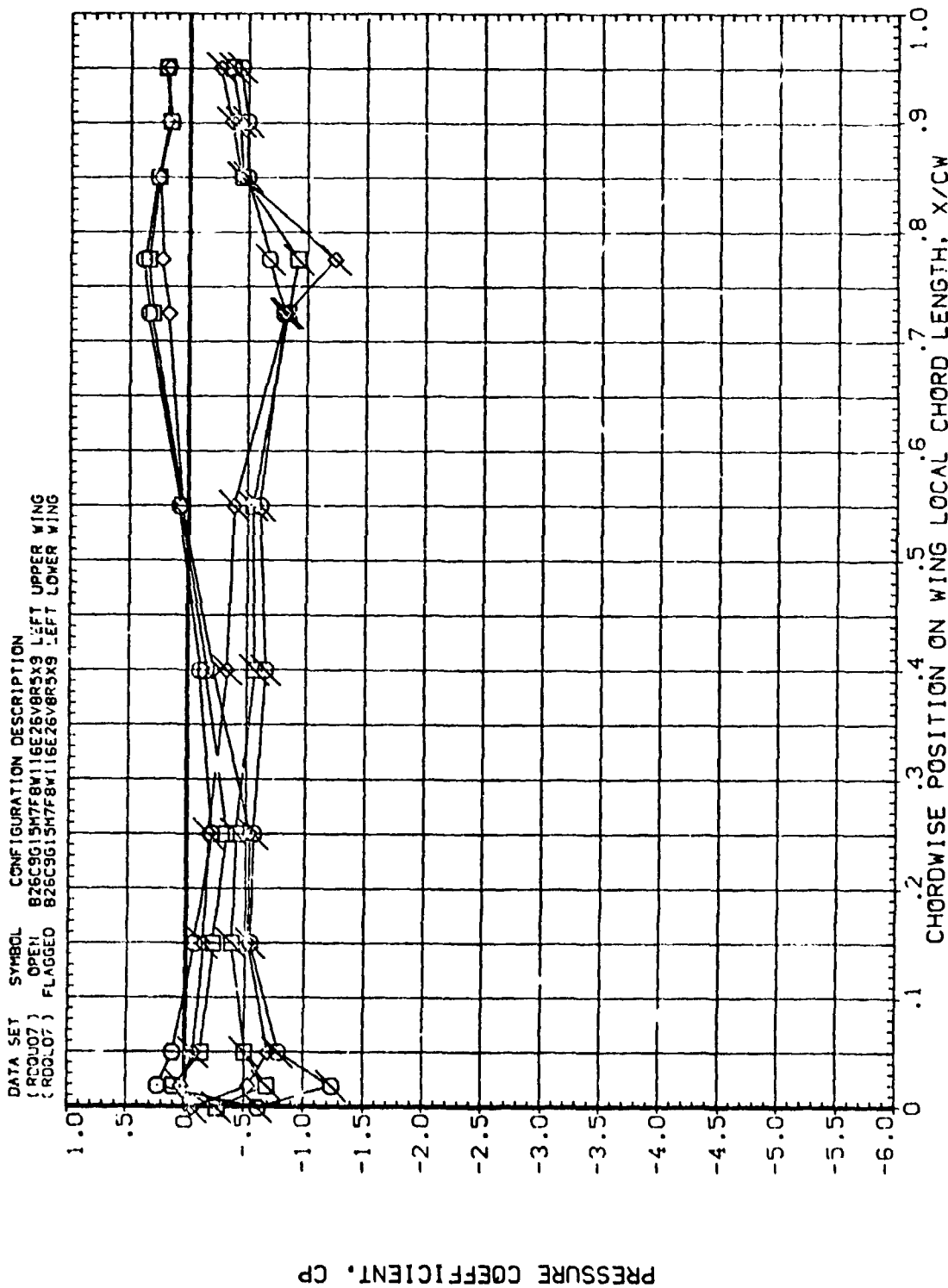


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	PARAMETRIC VALUES
○	10.100	.534	-.010	BOFLAP	-20.000 RUCDER .000
□	13.220				-14.250 BETA .000
◇	16.240				

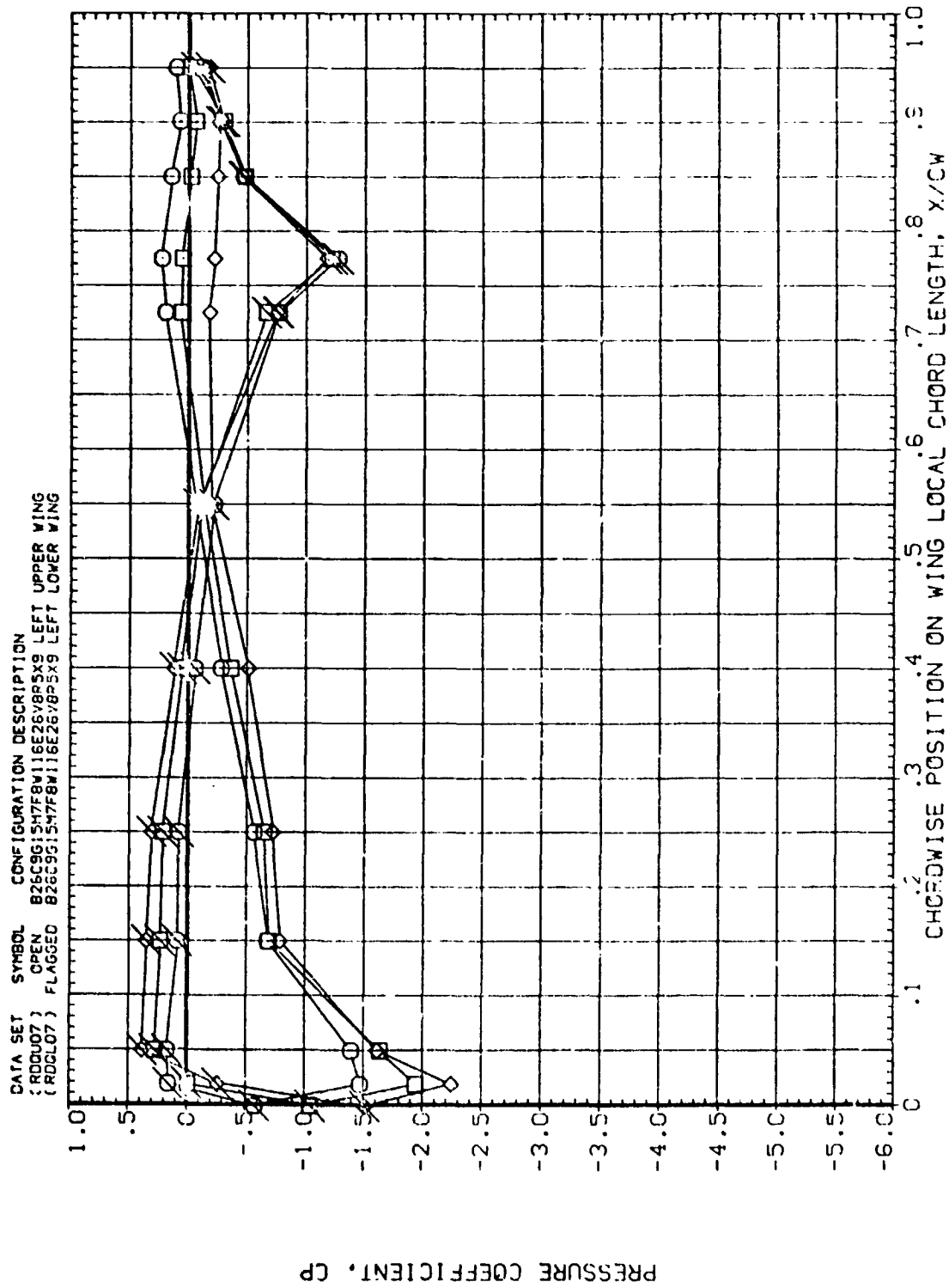


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
□	-2.950	.673	-.010	ELEVON -20.000 RUDDER .000
◇	.050			BDFLAP -14.250 BETA .000
◇	5.030			

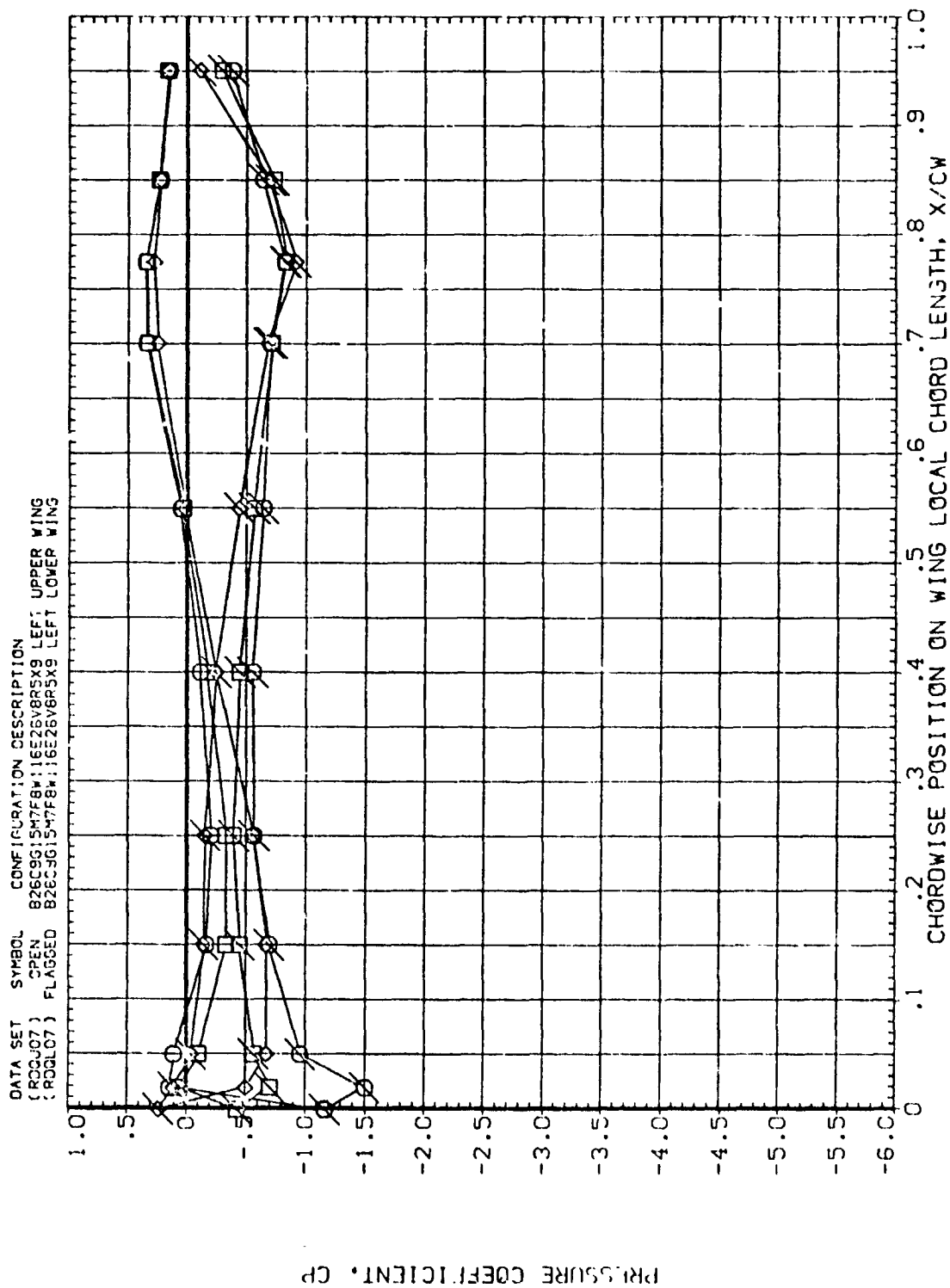


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES	
○	10.100	.673	-0.010	ELEVON	-20.000
□	13.220			BDFLAP	-14.250
◇	16.240			RUDDER	.000
				BETA	.000

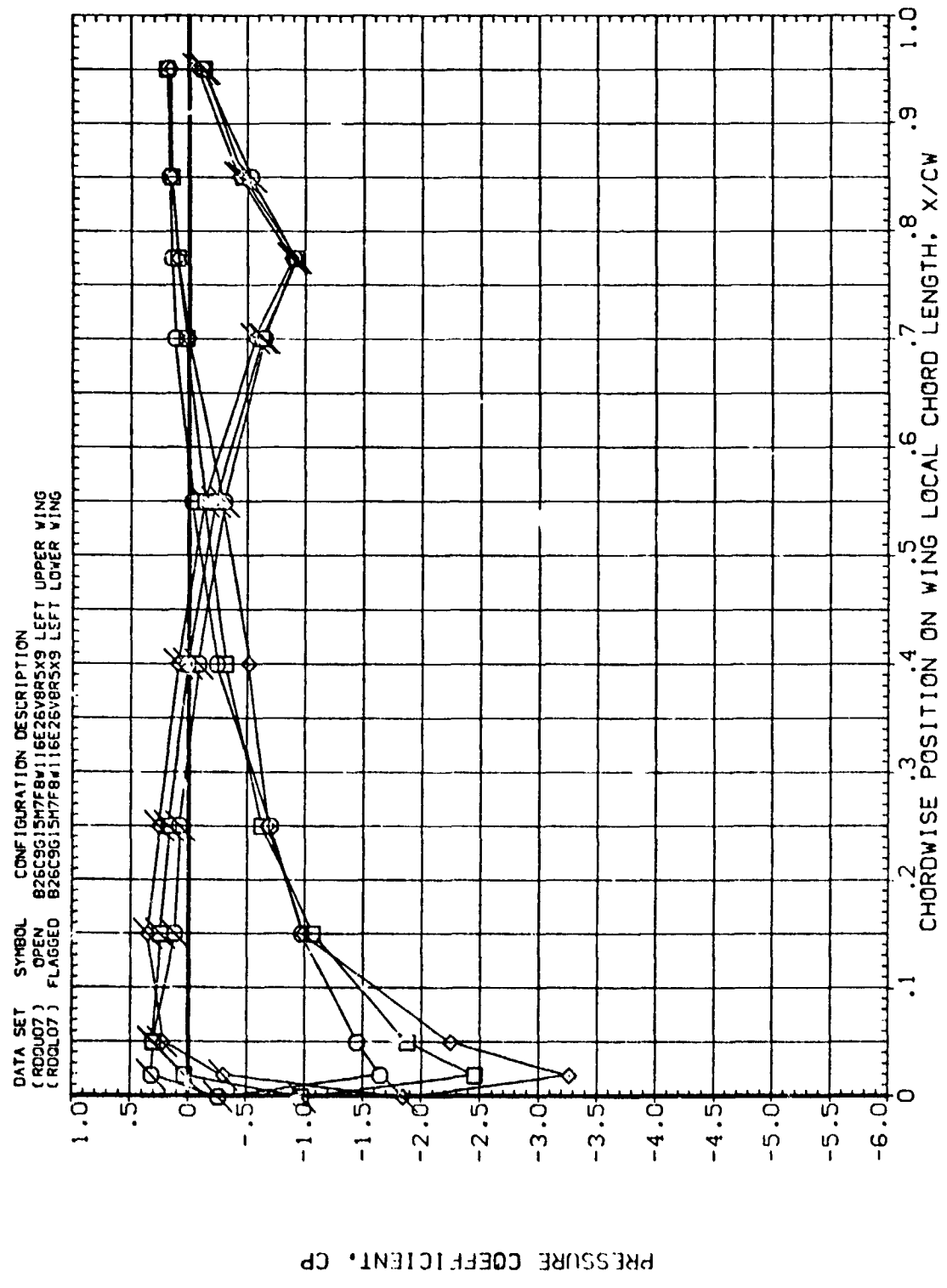


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

PAGE 294

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
□	-2.950	.780	-0.010	ELEVON	-20.000
◇	.050			BDFLAP	-14.250
	5.030				BETA
					.000
					.000

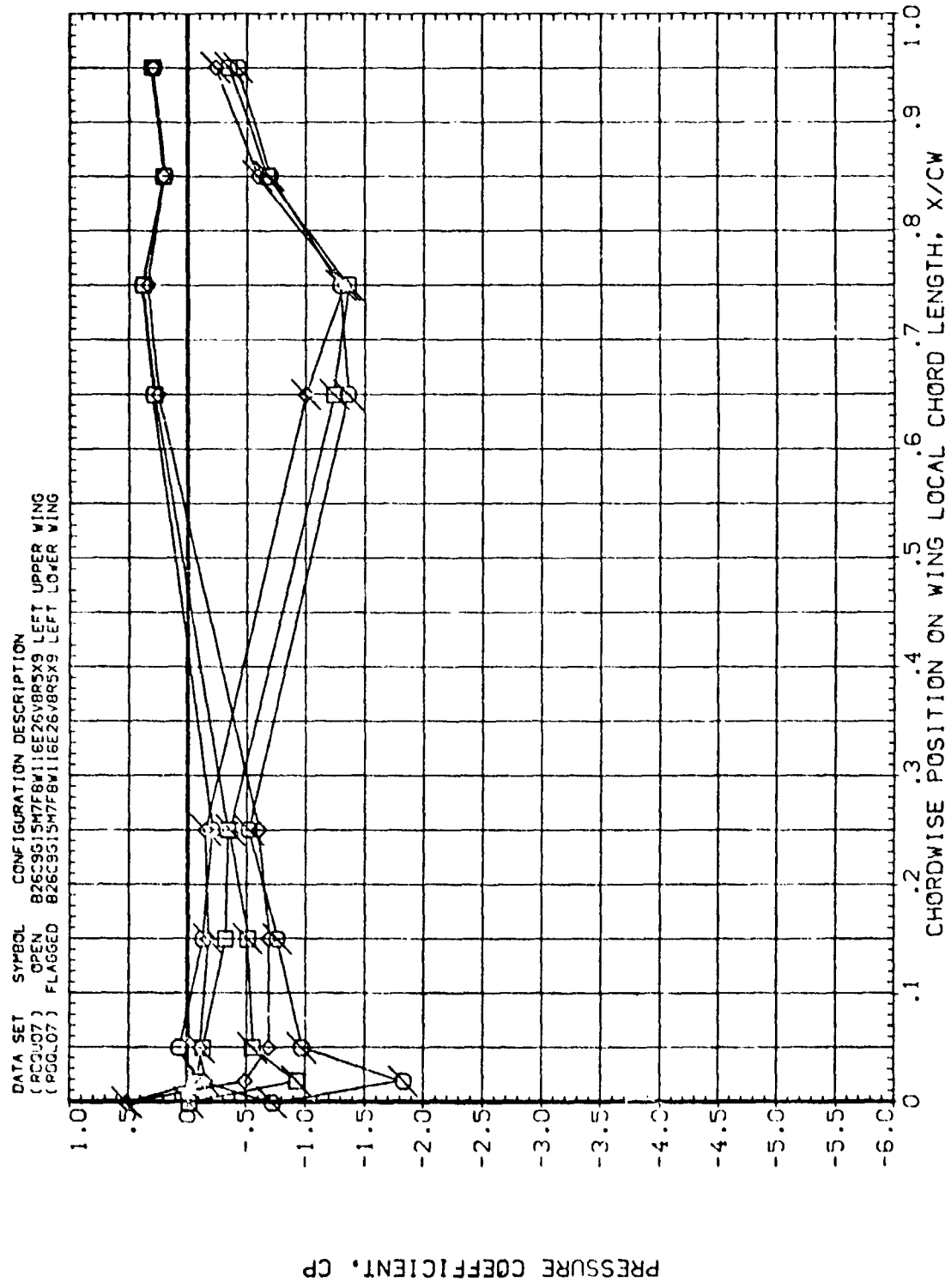


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

PAGE 295

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	10.100	.780	-0.010	ELEVON -20.000 RUDDER .000
□	13.220			BDFLAP -14.250 BETA .000
◇	16.240			

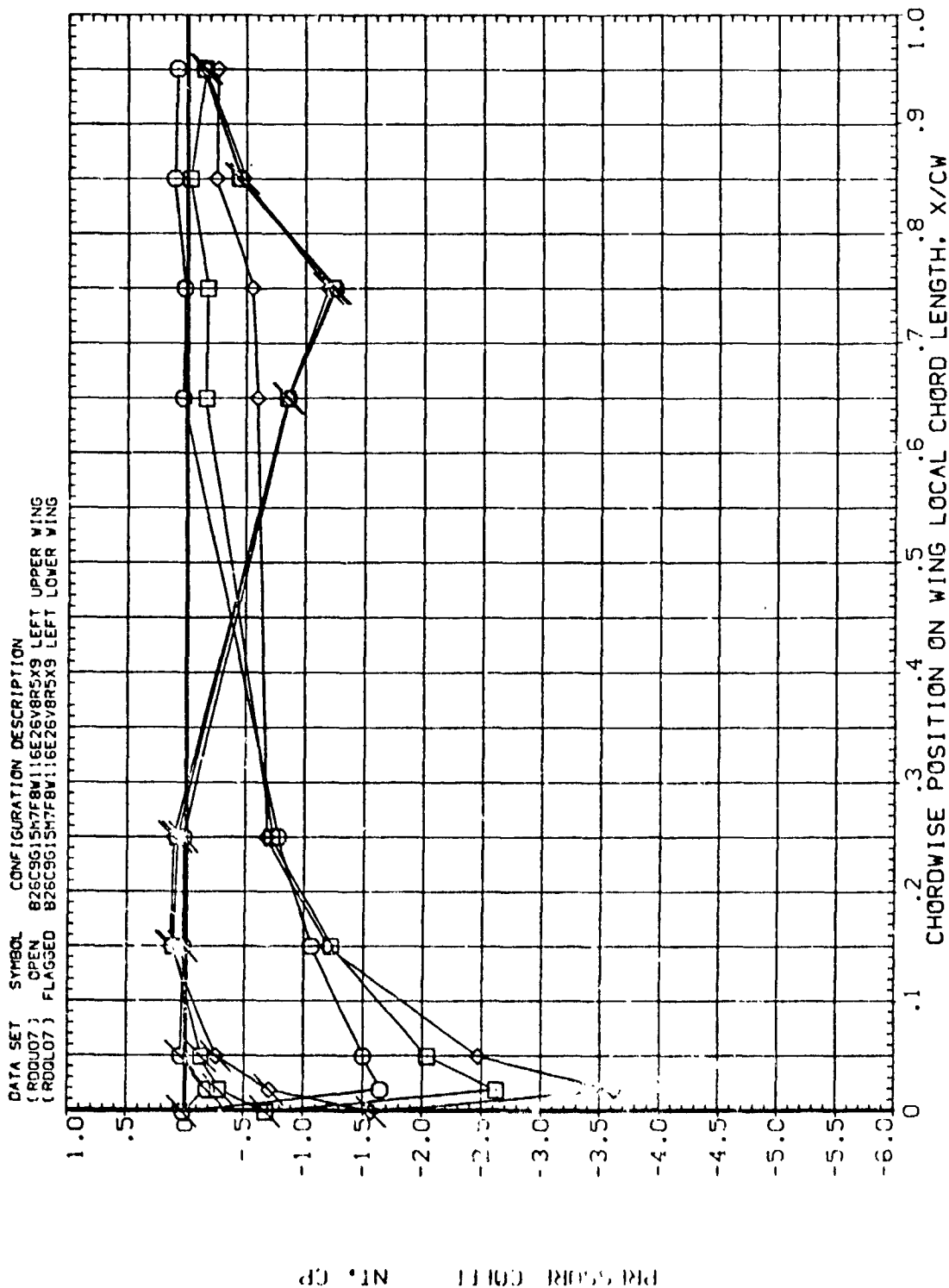


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

1100 200

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	-2.950	.887	-0.010	ELEVON -20.000 RUDDER .000
□	.050			BDFLAP -14.250 BETA .000
◇	5.030			

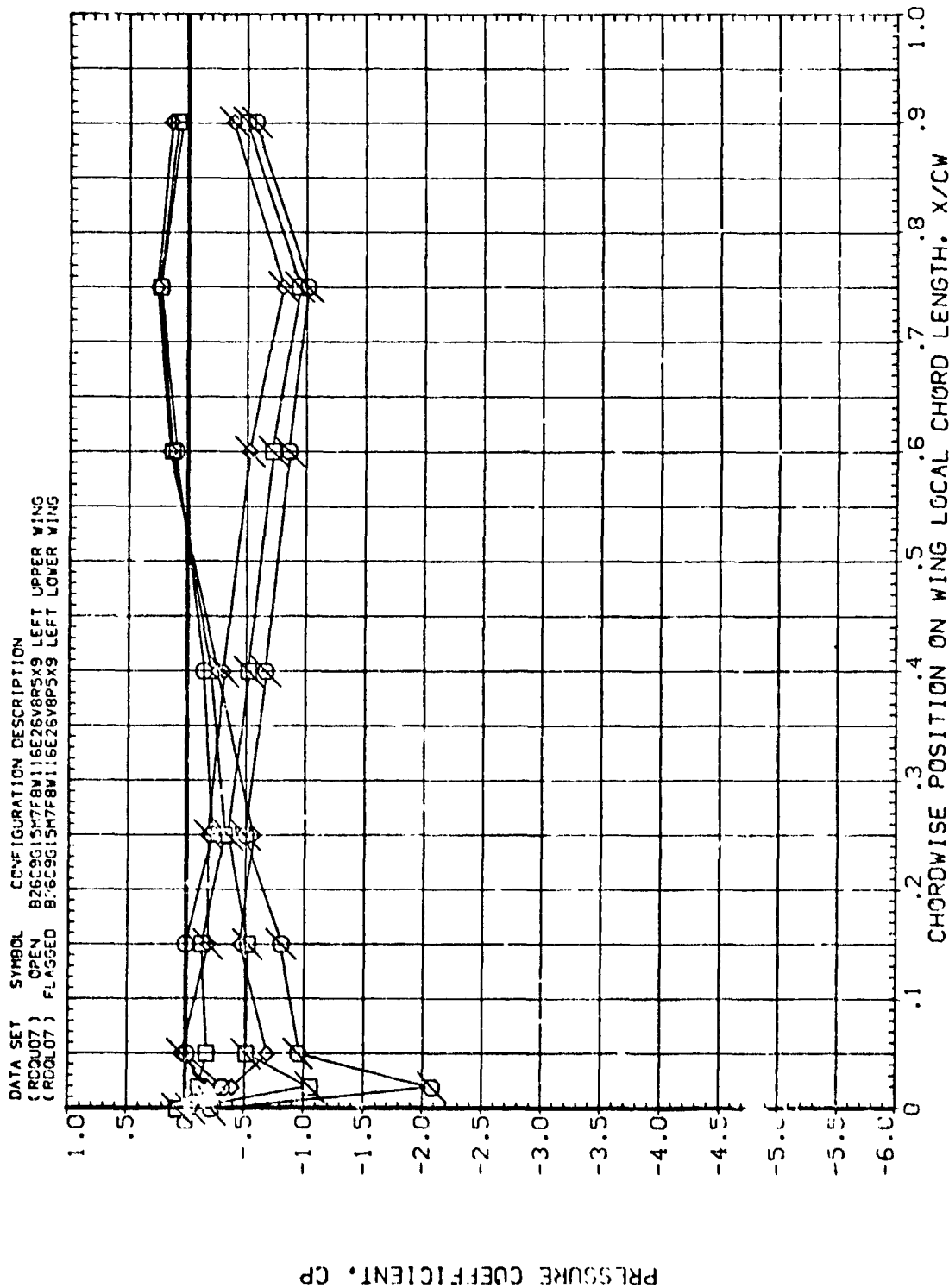


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.100	.887	-.010	BDFLAP	-20.000 RUDDER .000
□	13.220				-14.250 BETA .000
◇	16.240				

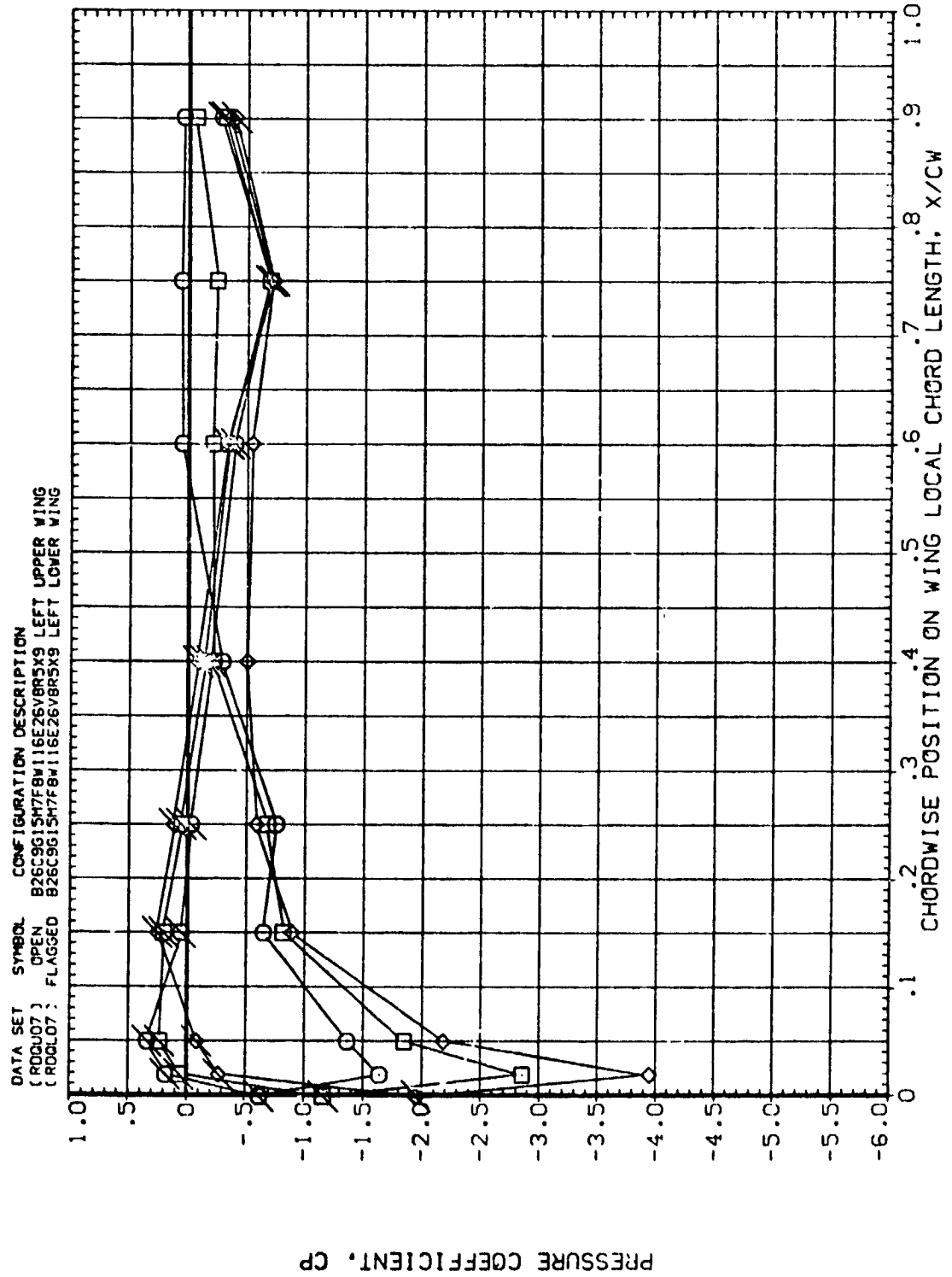


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

PAGE 298

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
○	-2.970	.299	10.050	ELEVON	-20.000
□	.030			8DFLAP	-14.250
◇	5.020			BETA	10.000

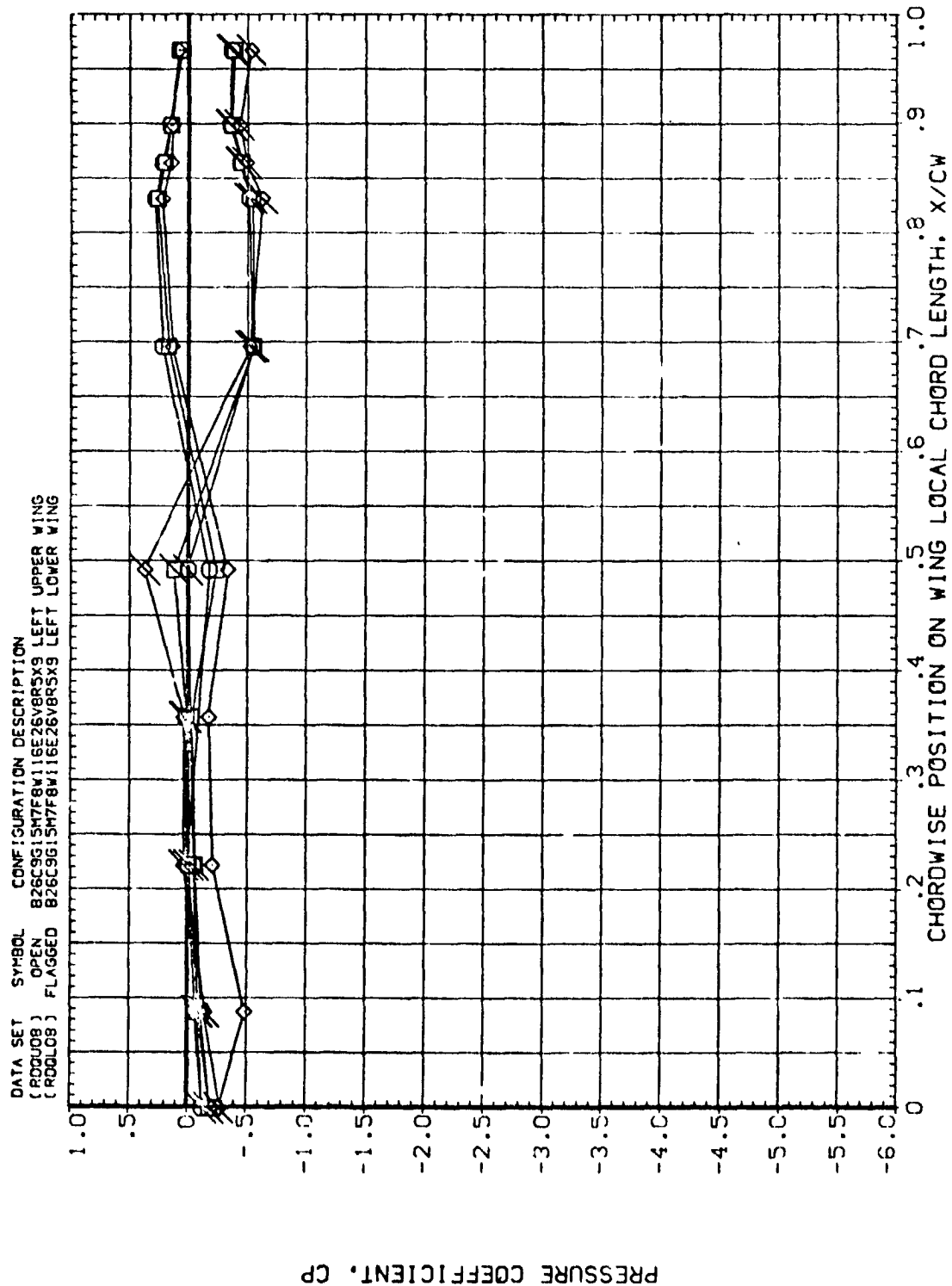


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	10.120	.299	10.050	ELEVON -20.000 RUDDER .000
□	13.190			BOFLAP -14.250 BETA :0.000
◇	16.220			

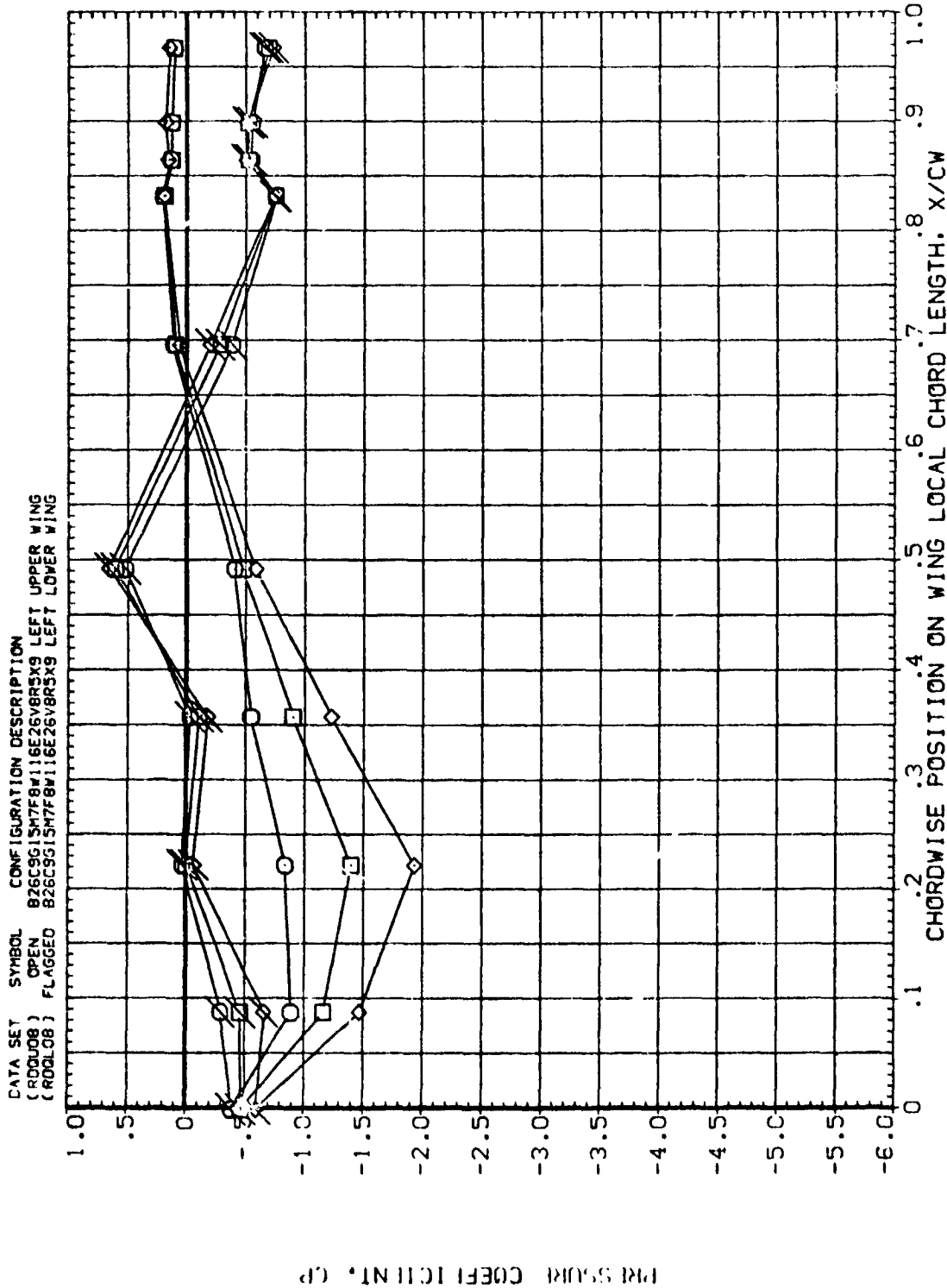


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.970	.352	10.050	-20.000	RUDDER .000
□	.030			BDFLAP -14.250	BETA 10.000
◇	5.020				

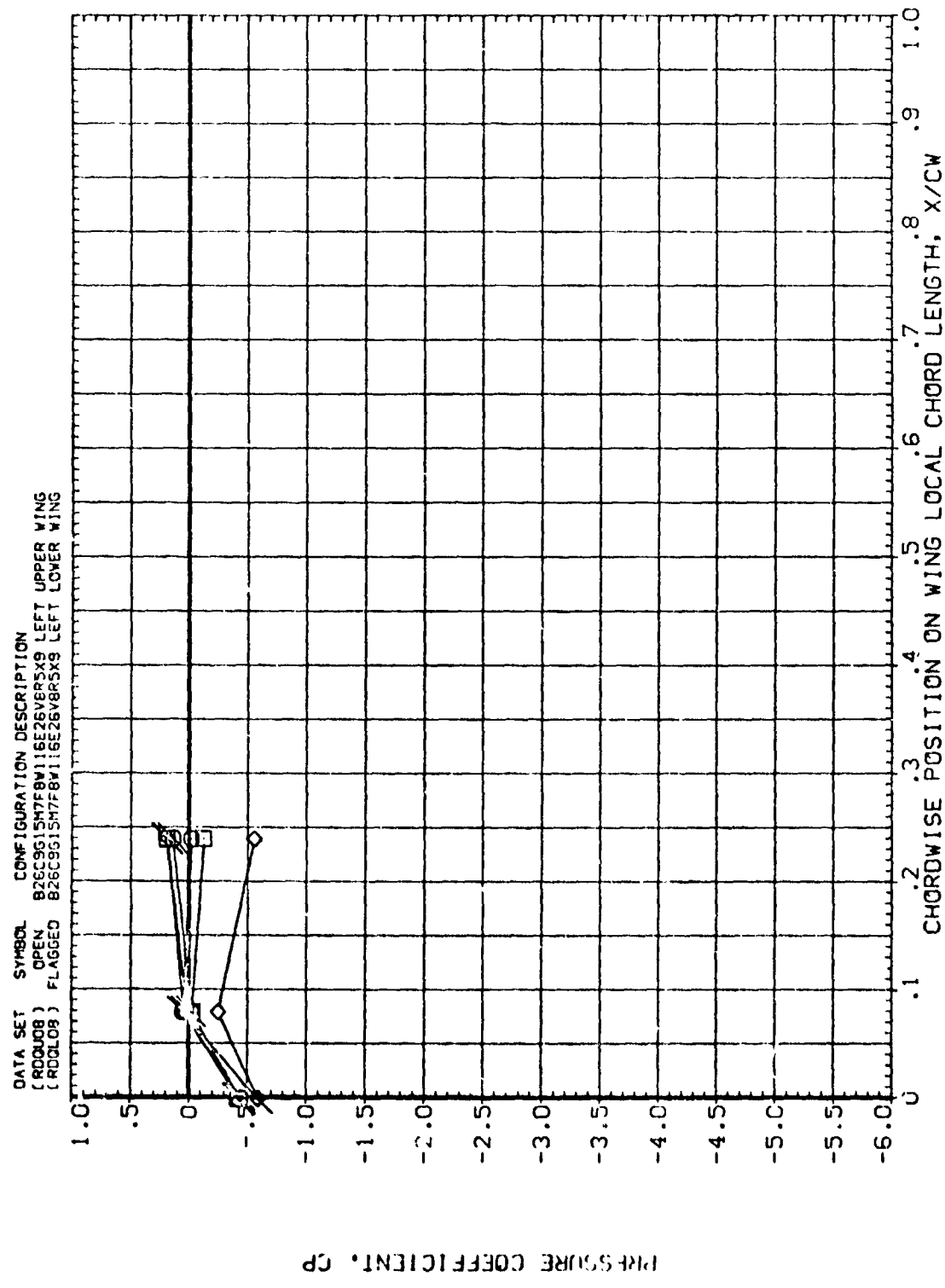


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

PAGE 301

SYMBOL	ALPHA	V/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.322	10.050	-20.000	RUDDER .000
□	13.190			-14.250	BETA 10.000
◇	16.220				

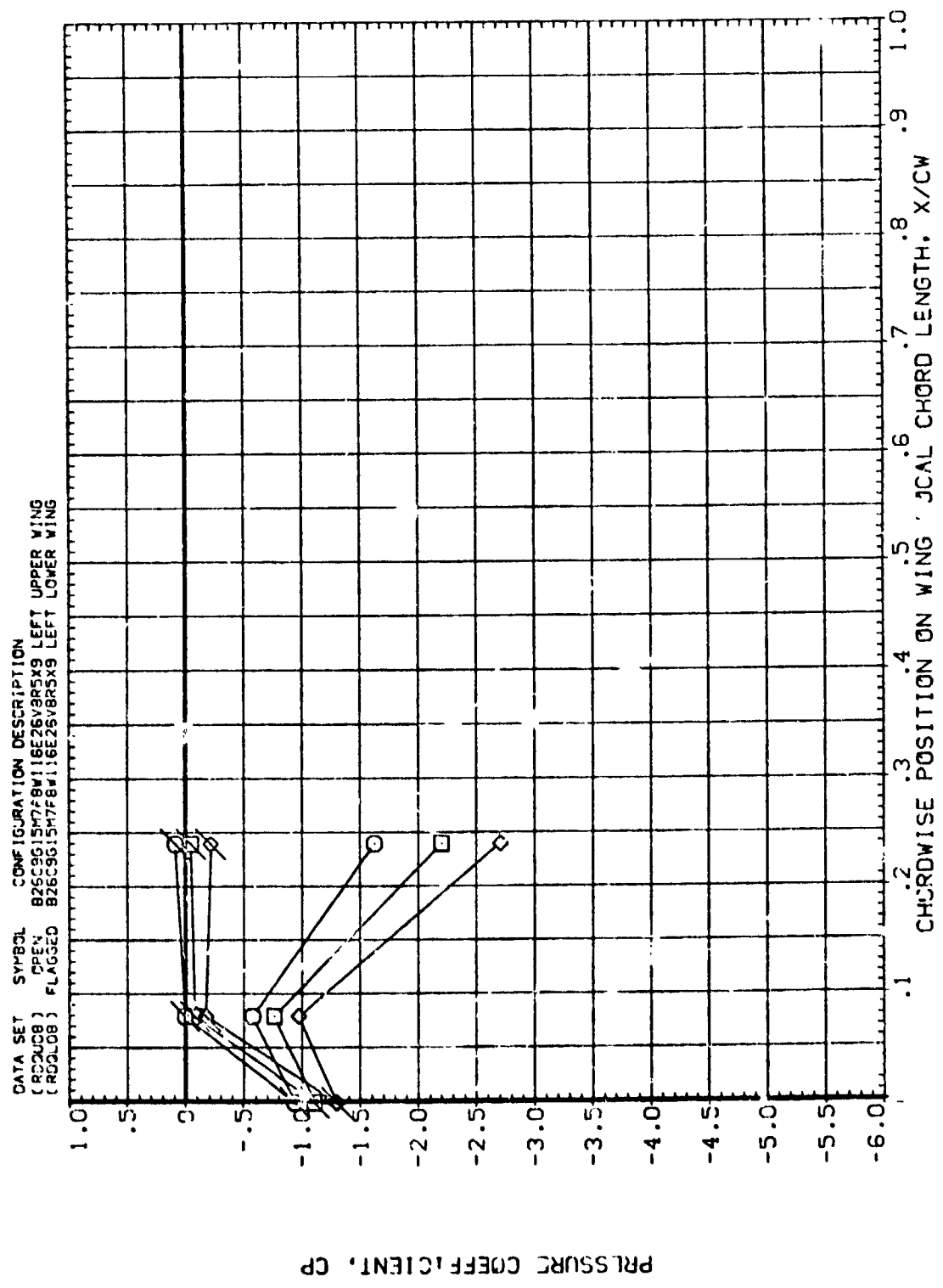


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
○	-2.970	.405	10.050	ELEVON	-20.000
□	.030			BOFLAP	-14.250
◇	5.020			RUDDER	.000
				BETA	10.000

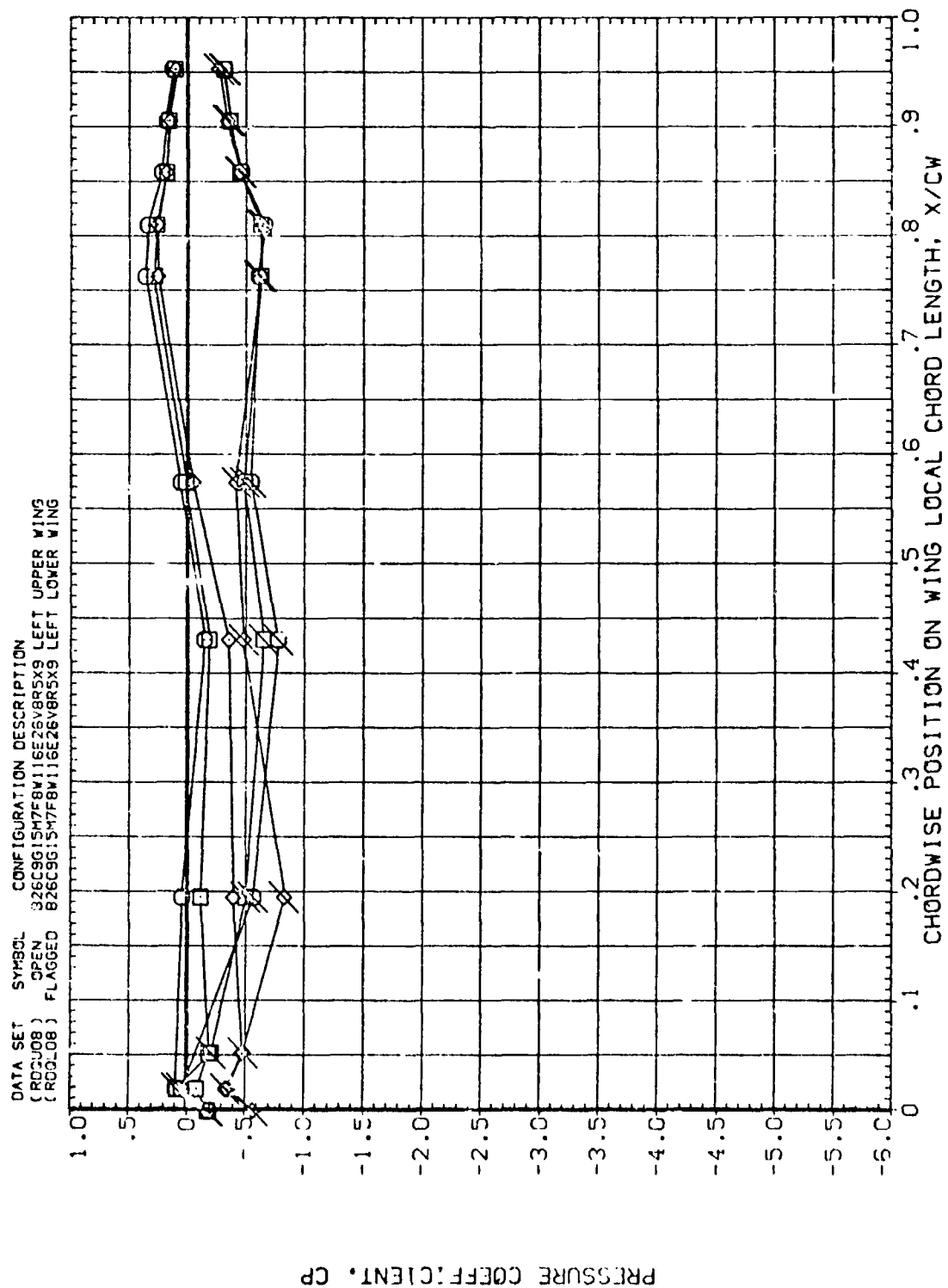


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.405	10.050	-20.000	RUDDER .000
□	13.190			80FLAP -14.250	BETA 10.000
◇	16.220				

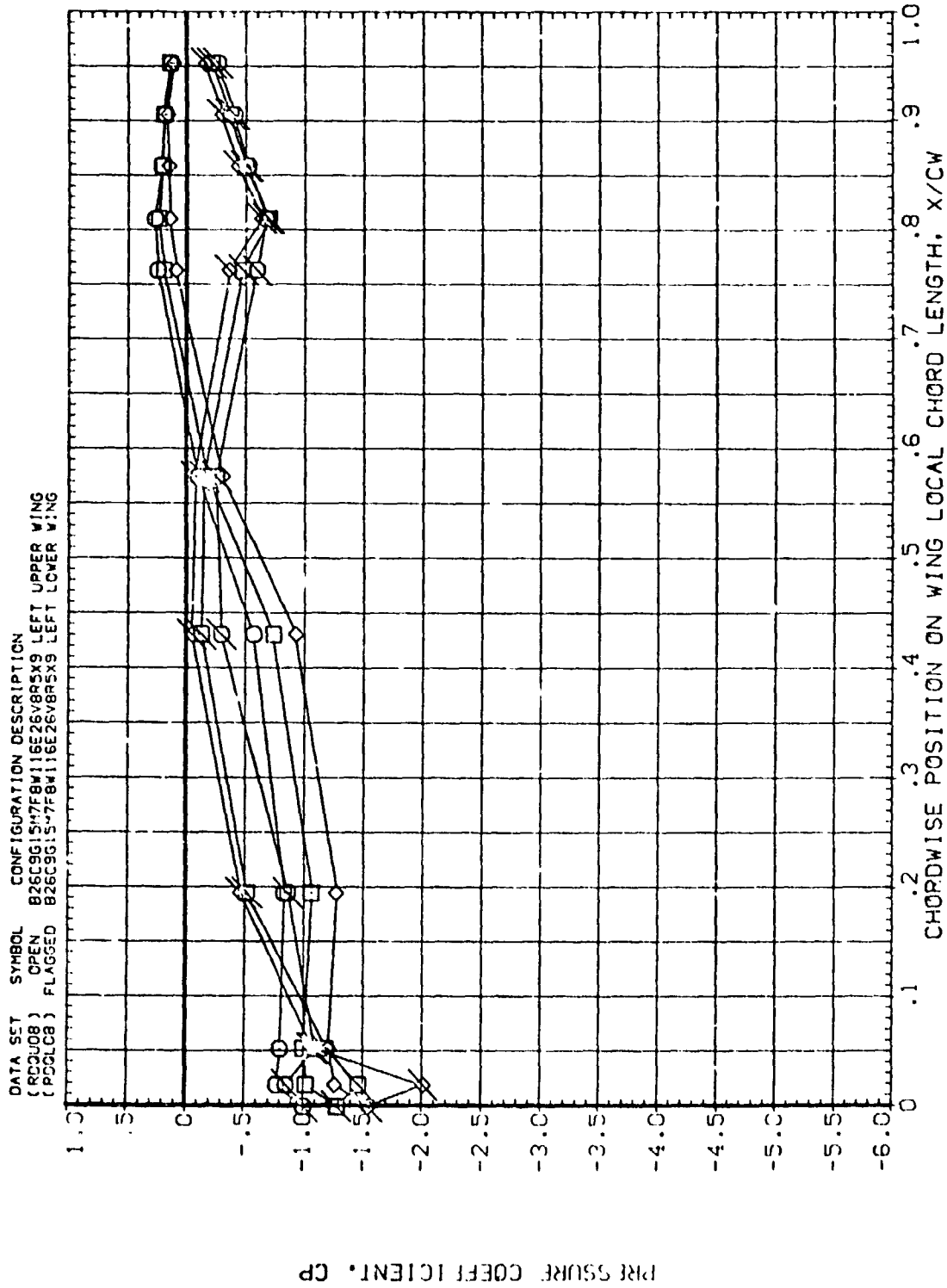


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES	
□	-2.970	.534	10.050	ELEVON	-20.000
◇	.030			BDFLAP	-14.250
◇	5.020				BETA
					10.000

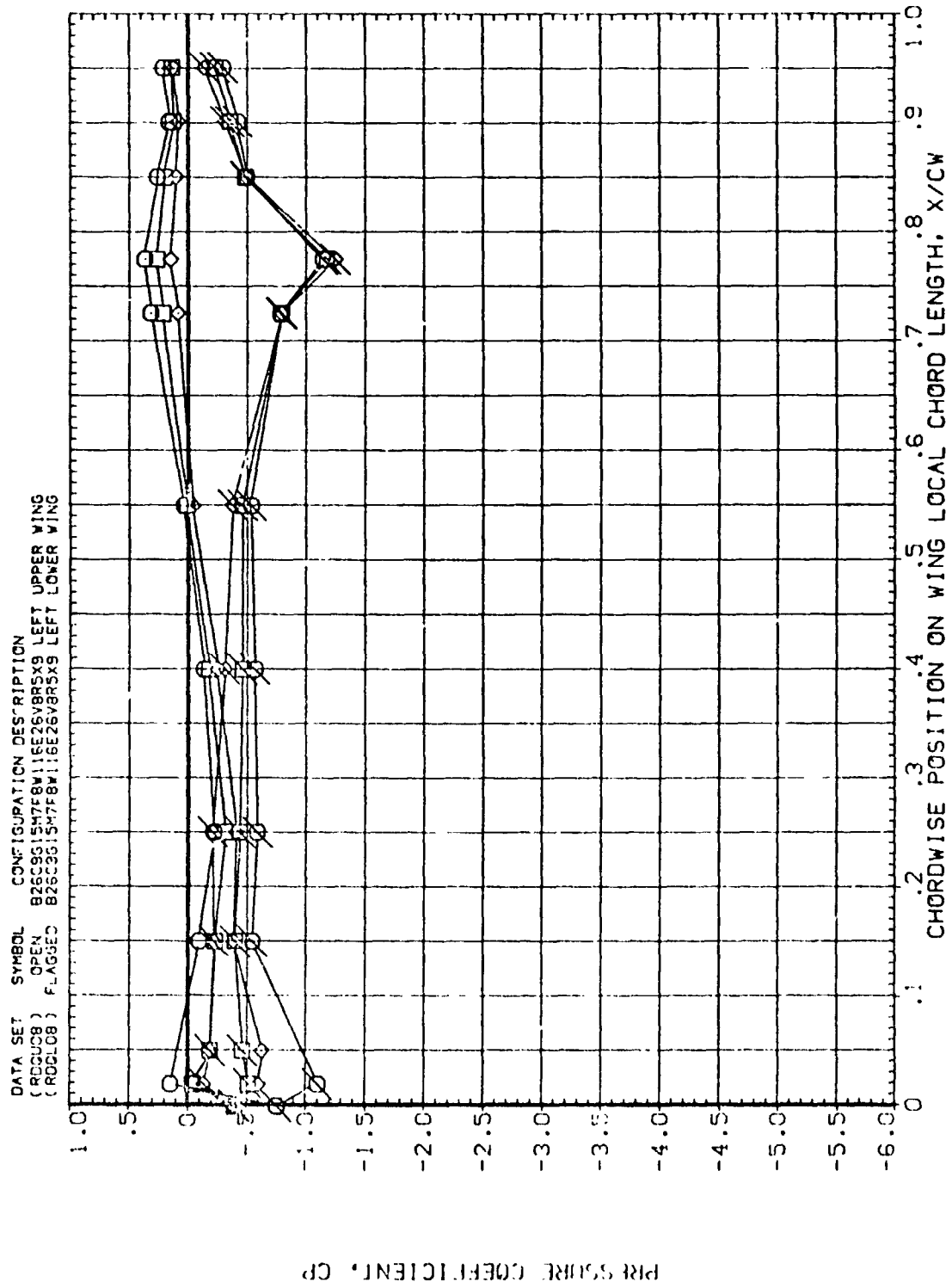


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
◇	10.120	.534	10.050	ELEVON -20.000 RUDDER .000
□	13.190			BDFLAP -14.250 BETA 10.000
◇	16.220			

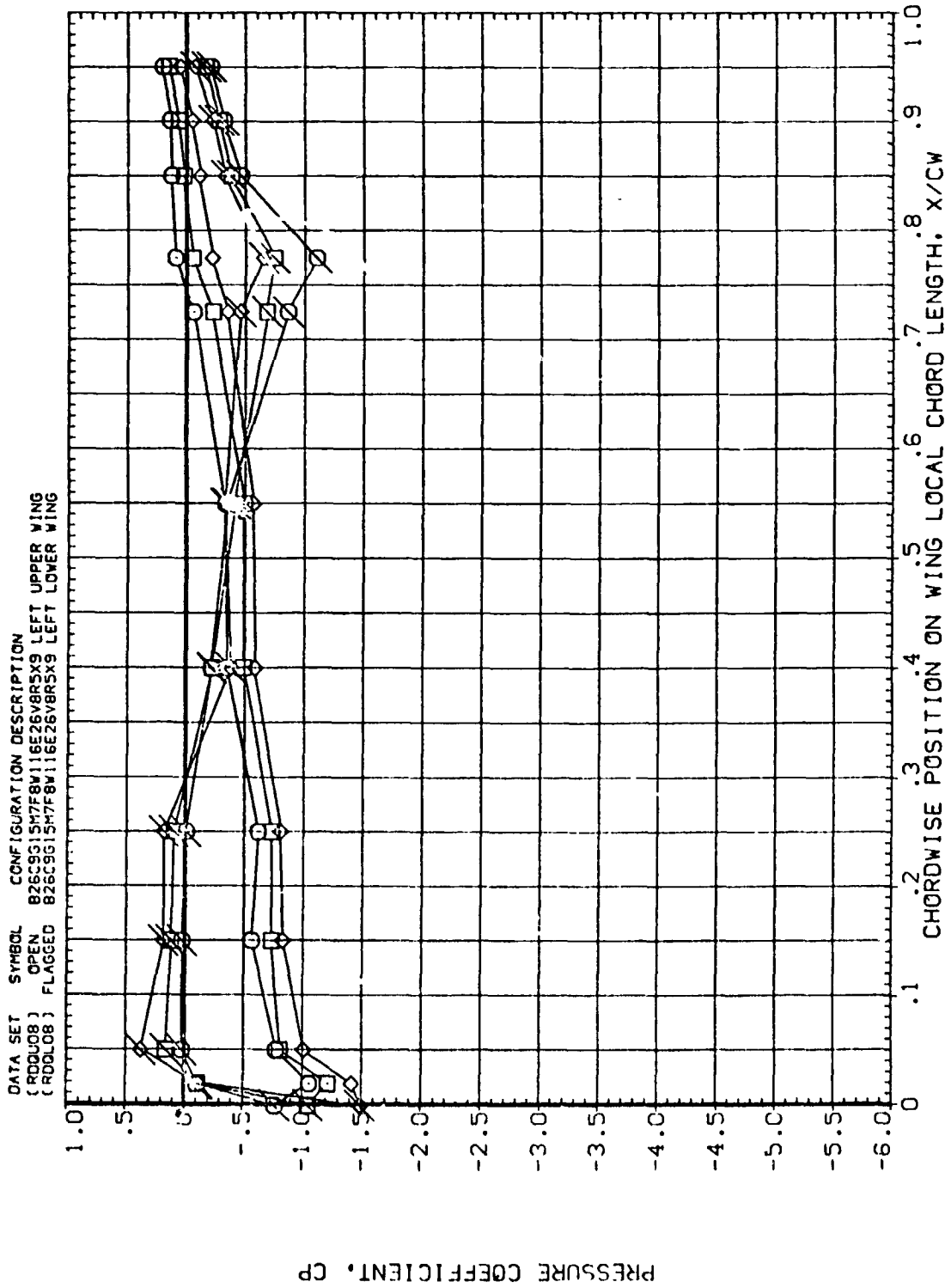


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
○	-2.970	.673	10.050	ELEVON	-20.000	RUDDER
□	.030			BOFLAP	-14.250	BETA
◇	5.020					10.000

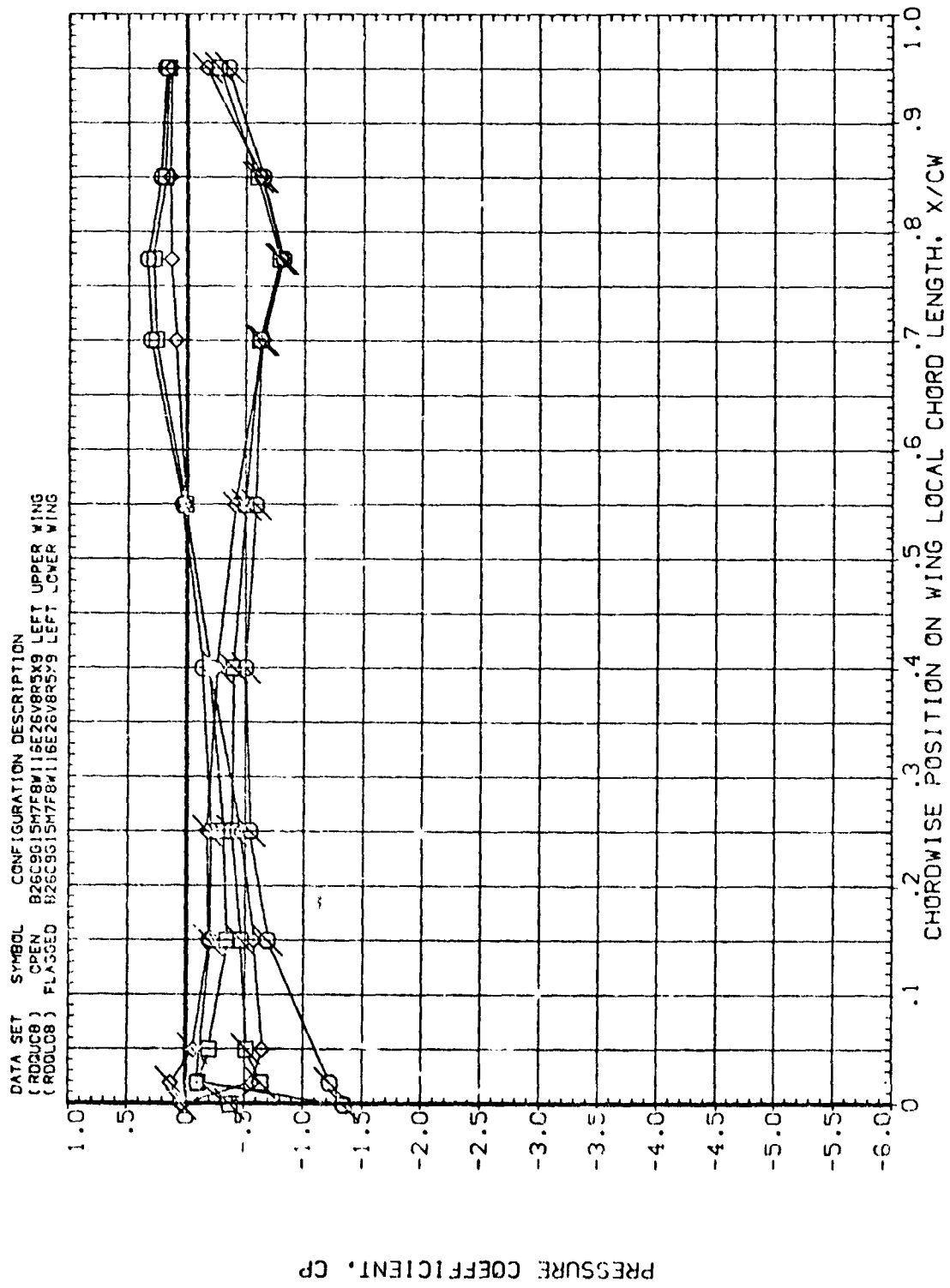


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL

ALPHA
10.120
13.190
16.220

Y/BW
.673

BETA
10.050

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

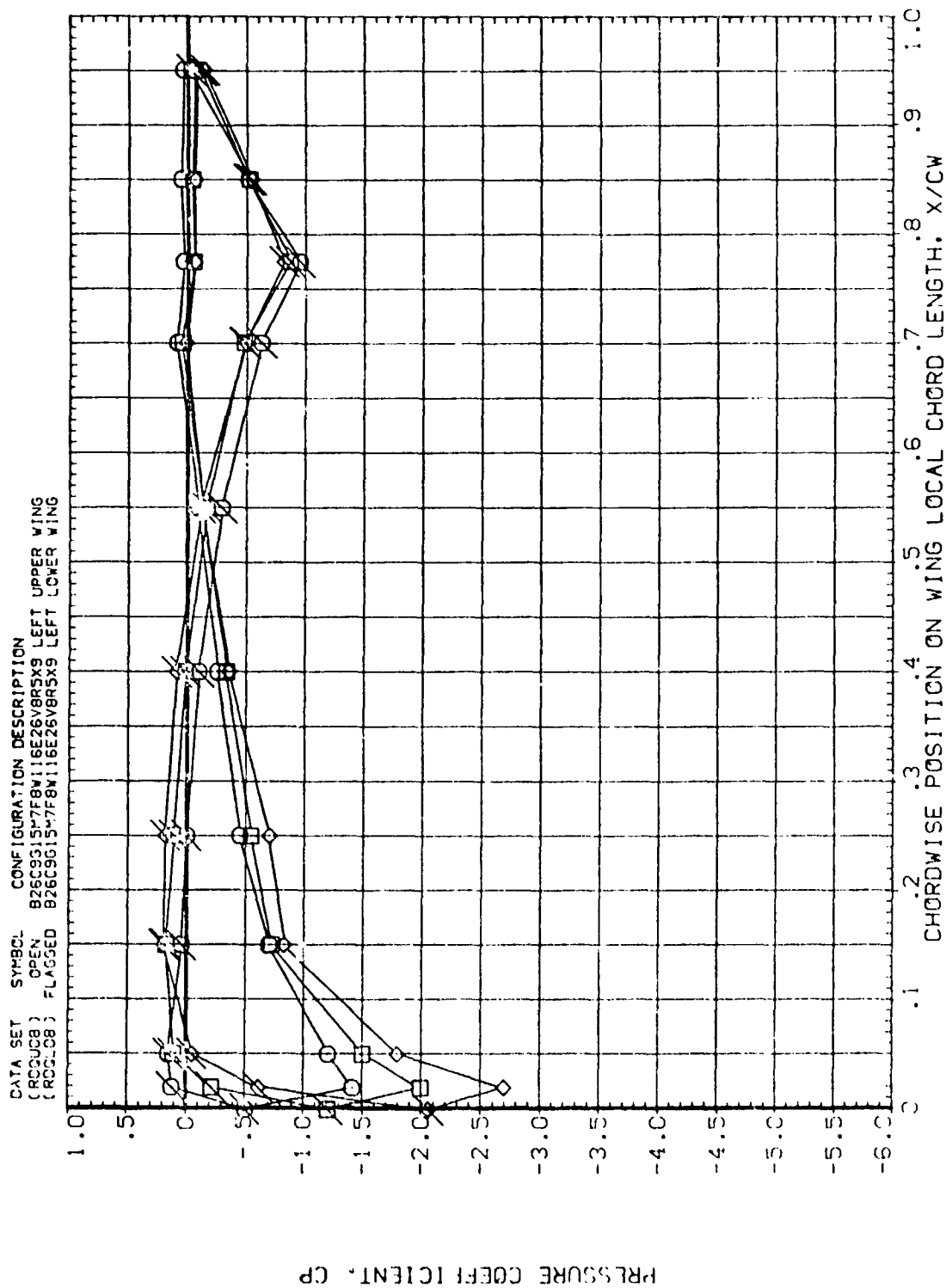


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10
PAGE 308

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES	
	-2.970 .030 5.020	.780	10.050	ELEVON BDFLAP	-20.000 -14.250
				RUDDER BETA	.000 10.000

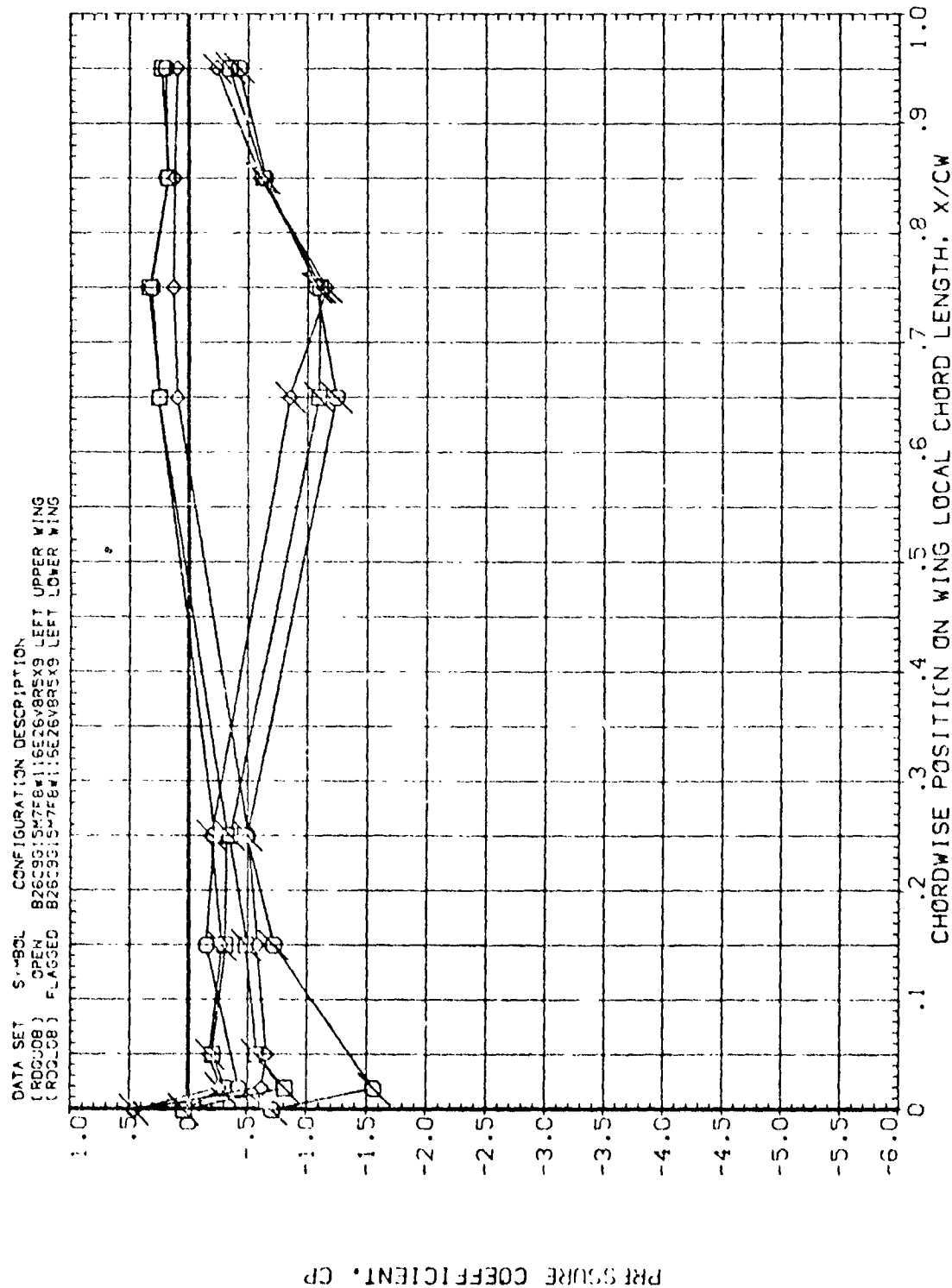


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL
◇ □ ○

ALPHA
10.120
13.190
16.220

V/BW
.780

BETA
10.050

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(PC02B) OPEN B26C9315M7F8W116E26V8R5X9 LEFT UPPER WING
(PC51C8) FLAGGED B26C9315M7F8W116E26V8R5X9 LEFT LOWER WING

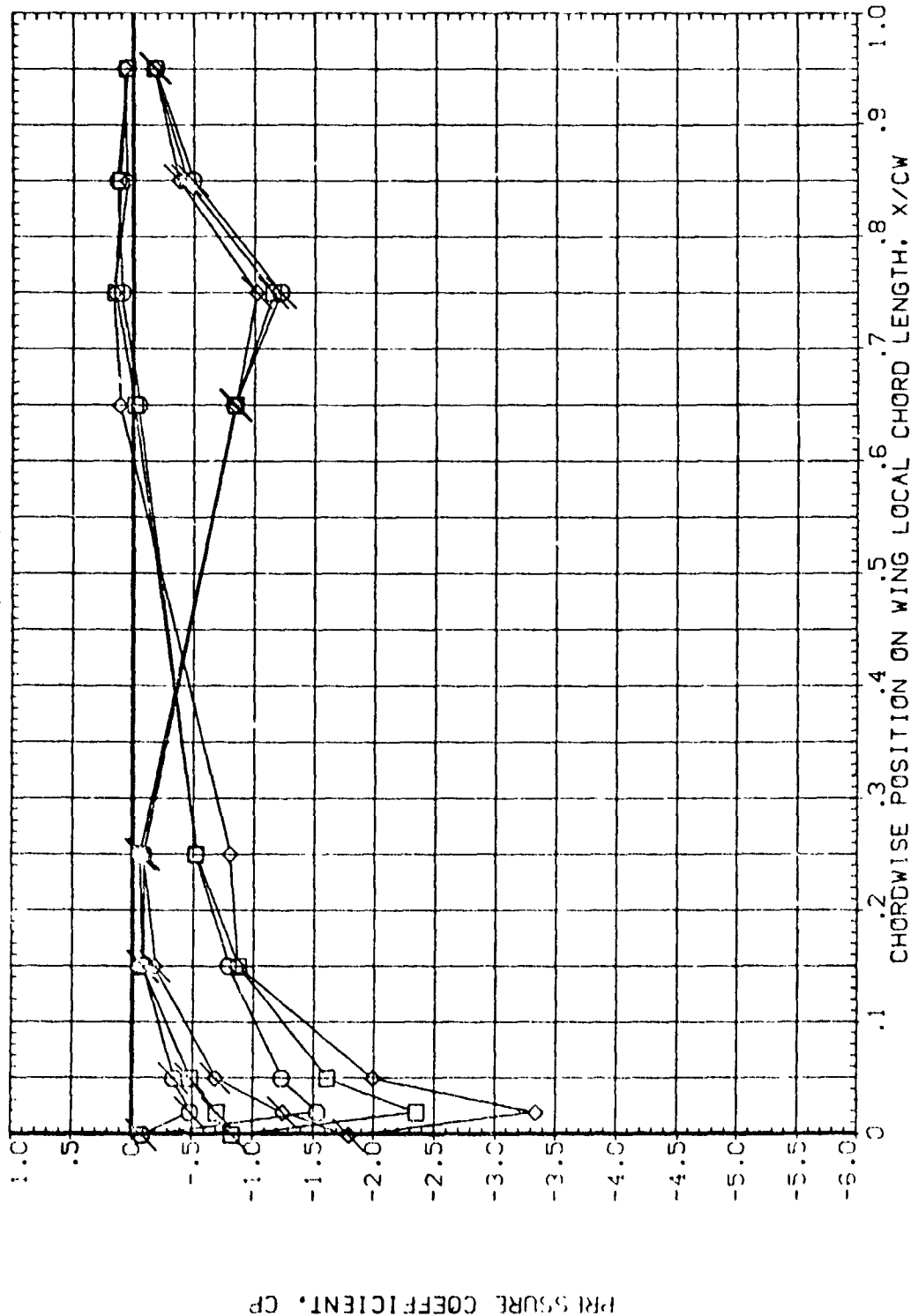


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL ALPHA Y/BY BETA
 -2.970 .887 10.050
 .330
 5.626

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

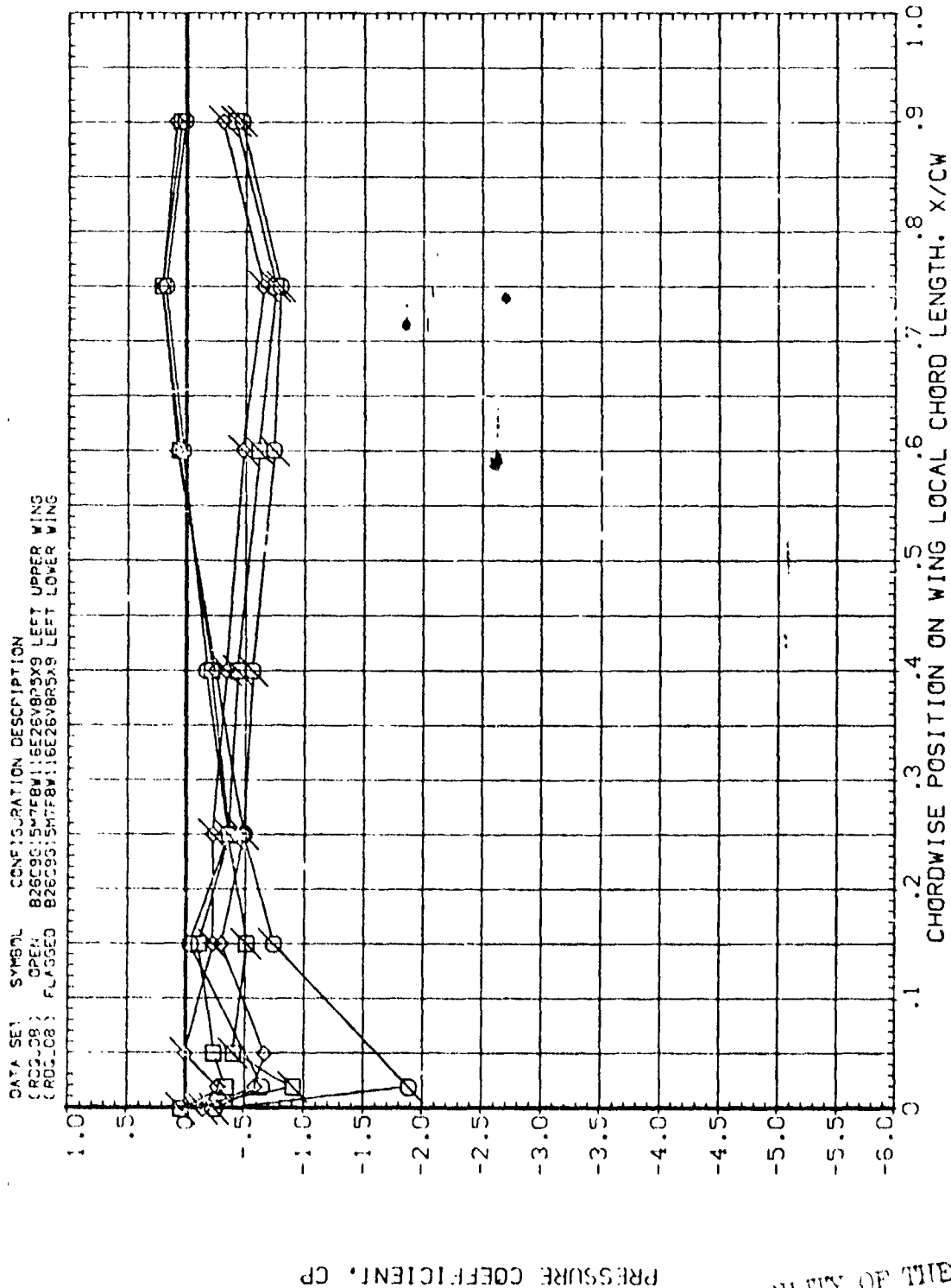


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.887	10.050	BOFLAP	-20.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				10.000

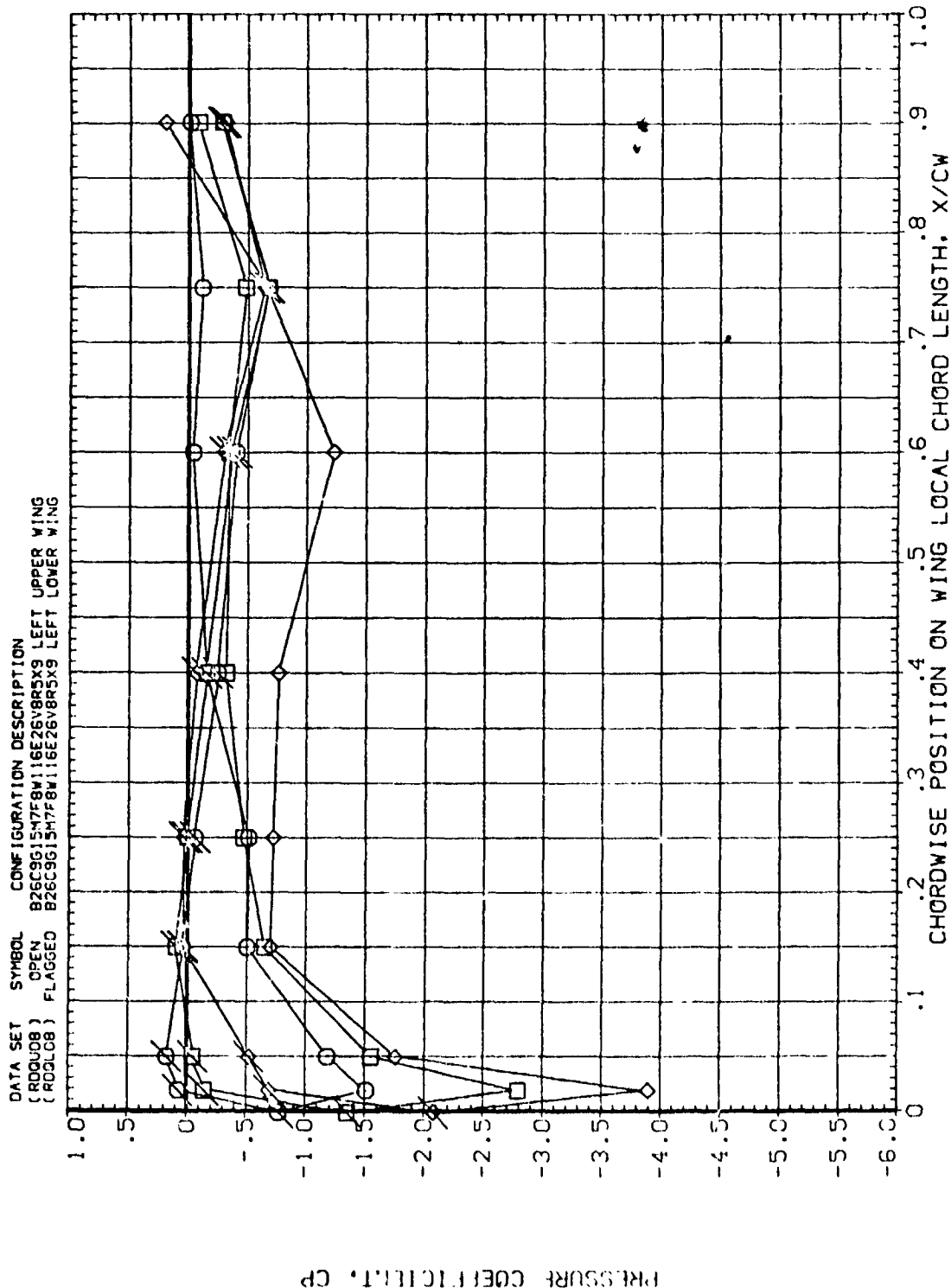


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
□	-2.983	.299	-10.060	ELEVON	-40.000
◇	.020			BDFLAP	-14.250
◇	5.020			BETA	-10.000

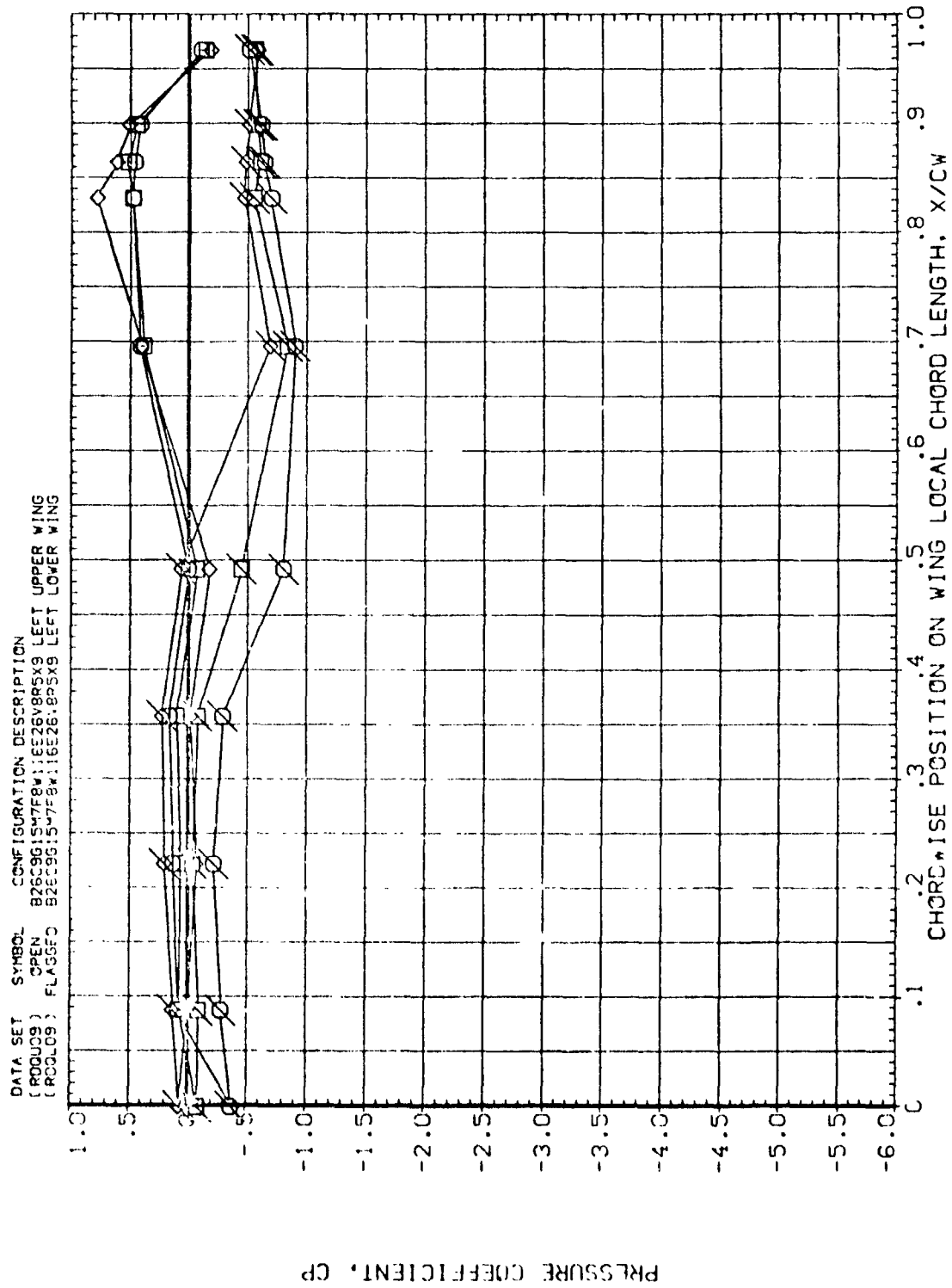


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

PAGE 313

SYMBOL
 ○
 □
 ◇

ALPHA
 10.090
 13.190
 16.220

Y/BV
 .299

BETA
 -10.060

PARAMETRIC VALUES
 ELEVON -40.300 RUDDER .000
 BDFLAP -14.250 BETA -10.000

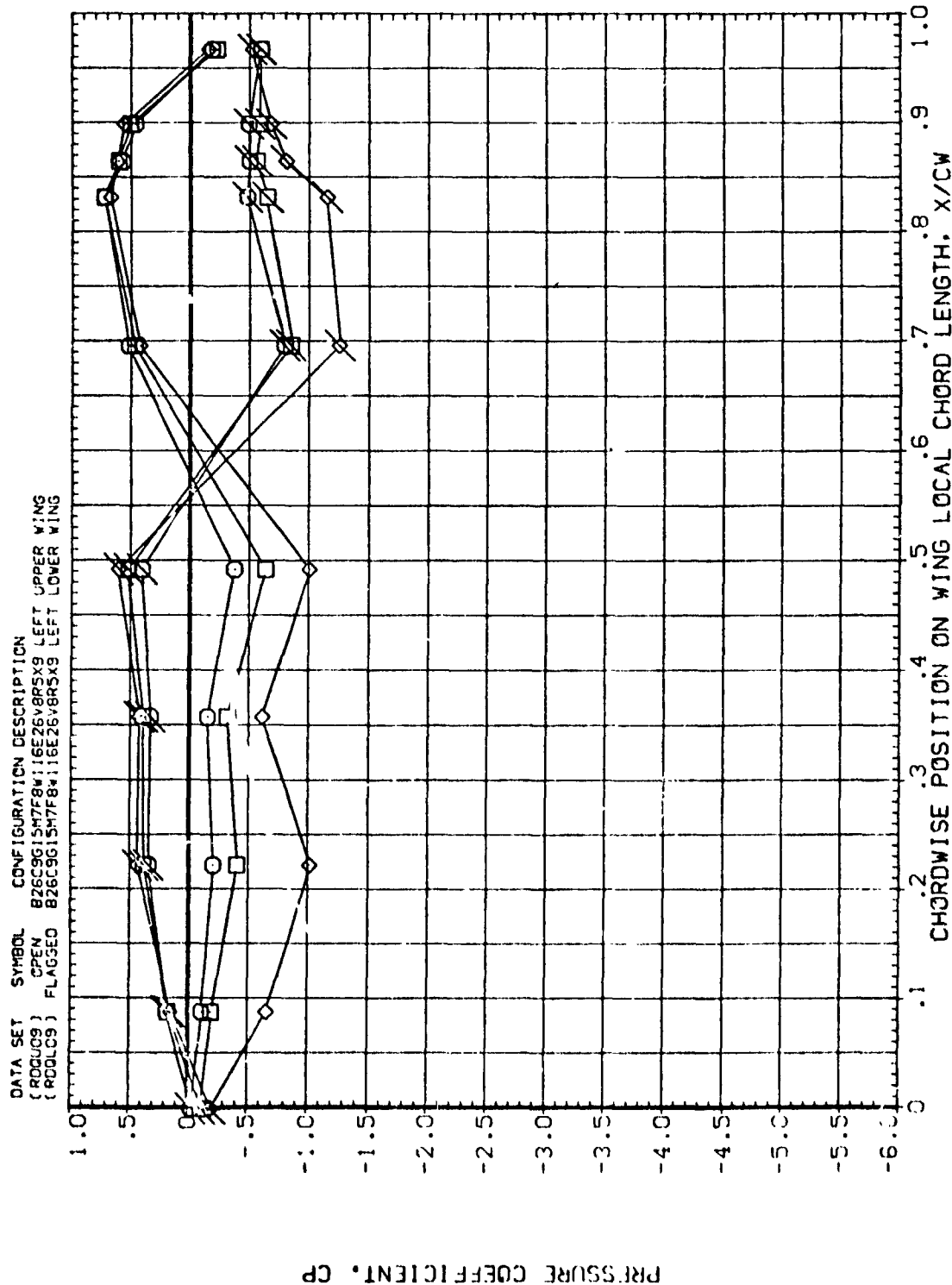


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	
◇	-2.980	.352	-10.060	-40.000		.000
□	.020			-14.250	BETA	-10.000
◇	5.020					

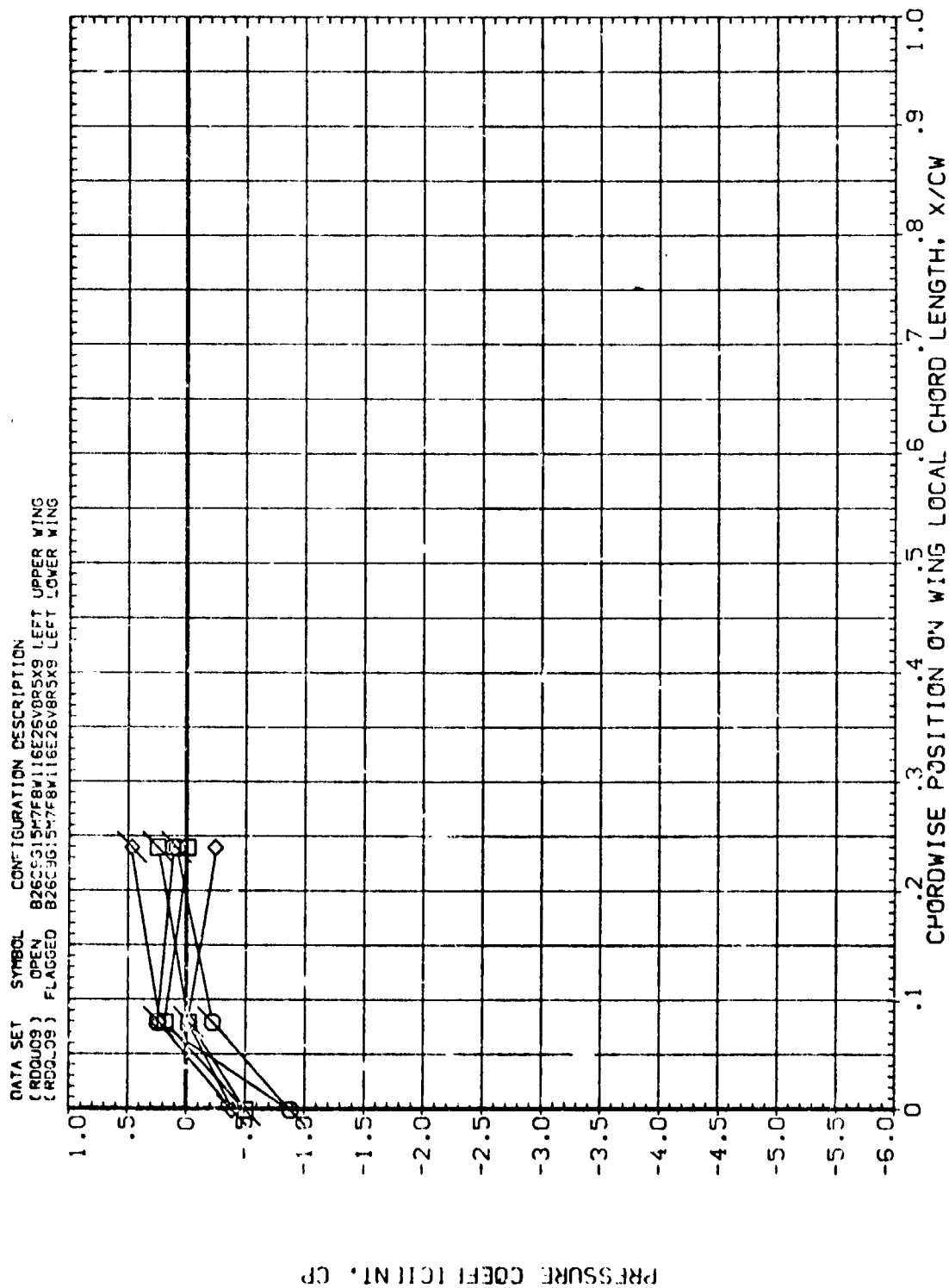


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
□	10.090	.352	-10.060	ELEVON -40.000 RUDDER .000
◇	13.190			BDFLAP -14.250 BETA -10.000
◇	16.220			

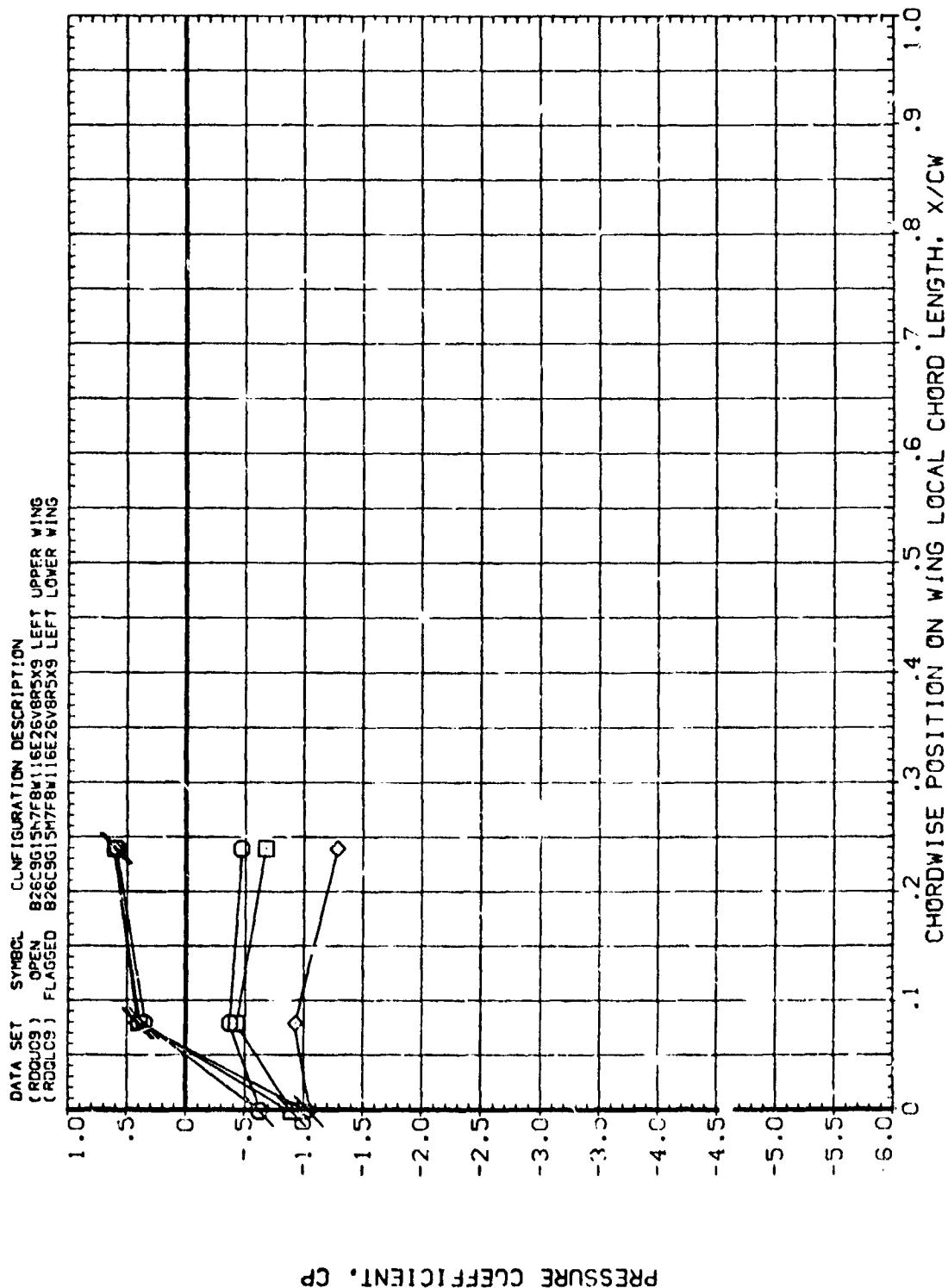


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

SYMBOL ALPHA Y/BX BETA
-2.980 .405 -10.060
.020
5.020

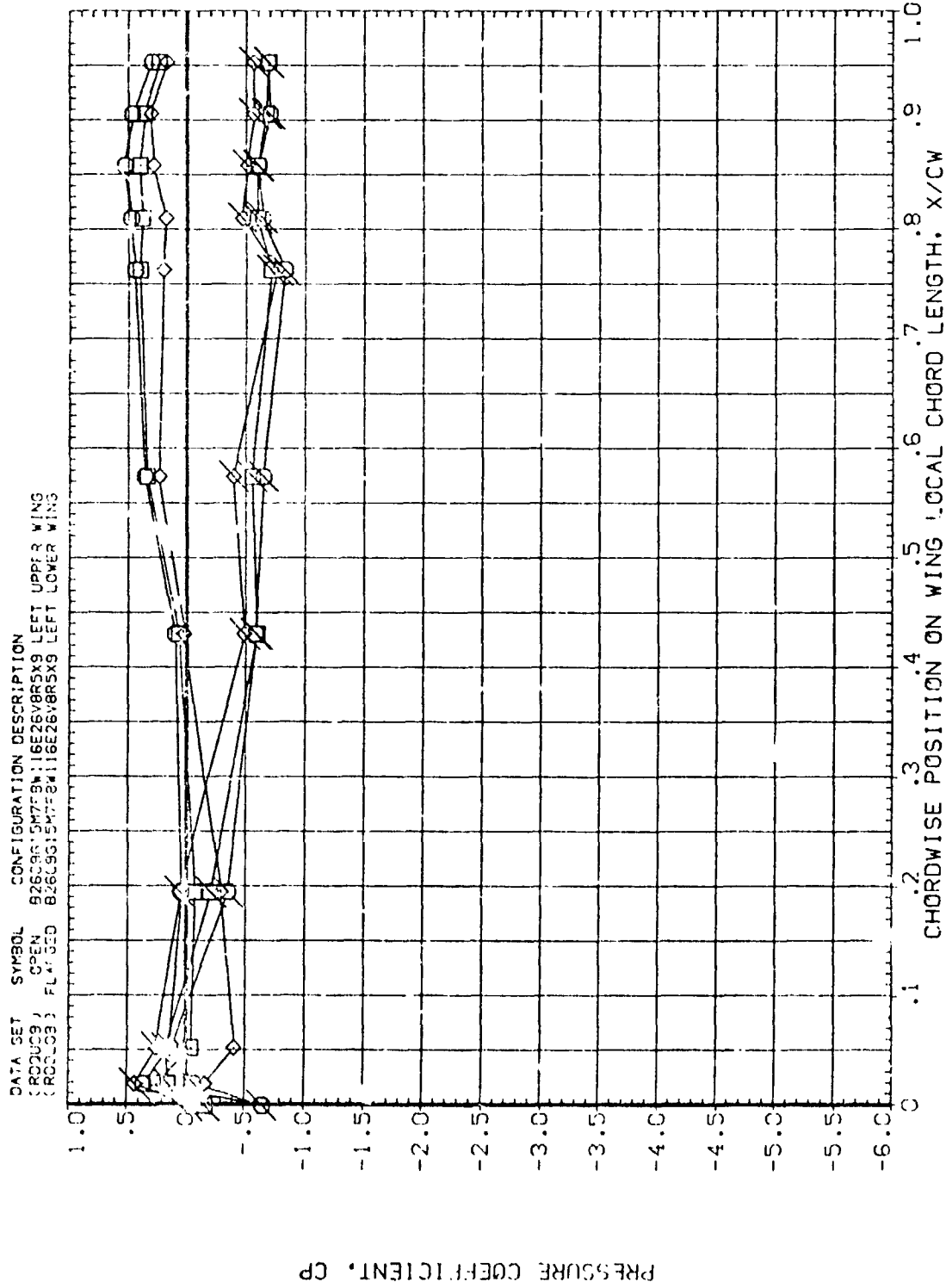


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
○	10.090	.405	-10.060	ELEVON -40.000 RUDDER .000
□	13.190			BDFLAP -14.250 BETA -10.000
◇	16.220			

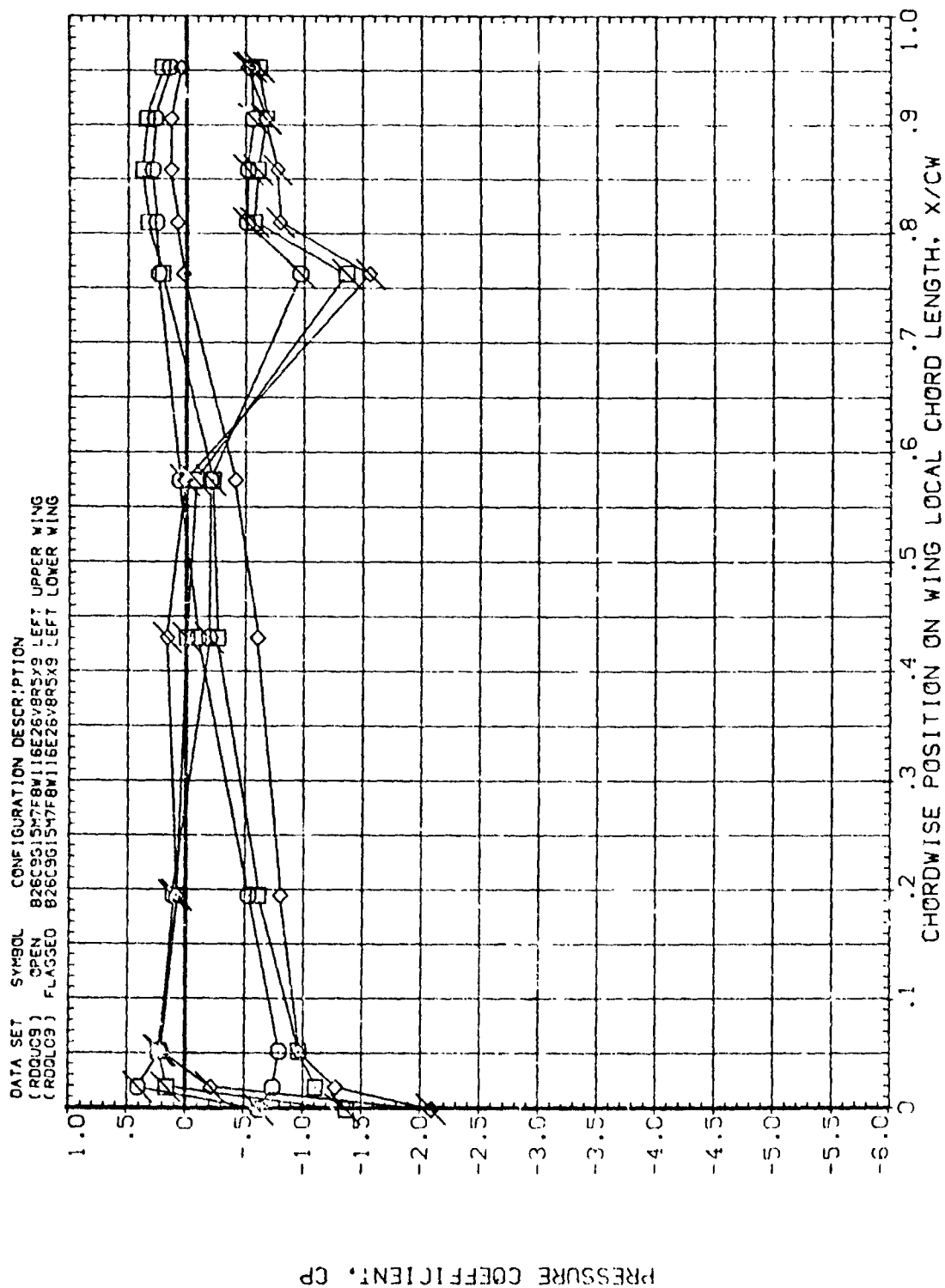


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL ALPHA Y/B_W BET.
 -2.980 .534 -10.360
 .020
 5.020

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

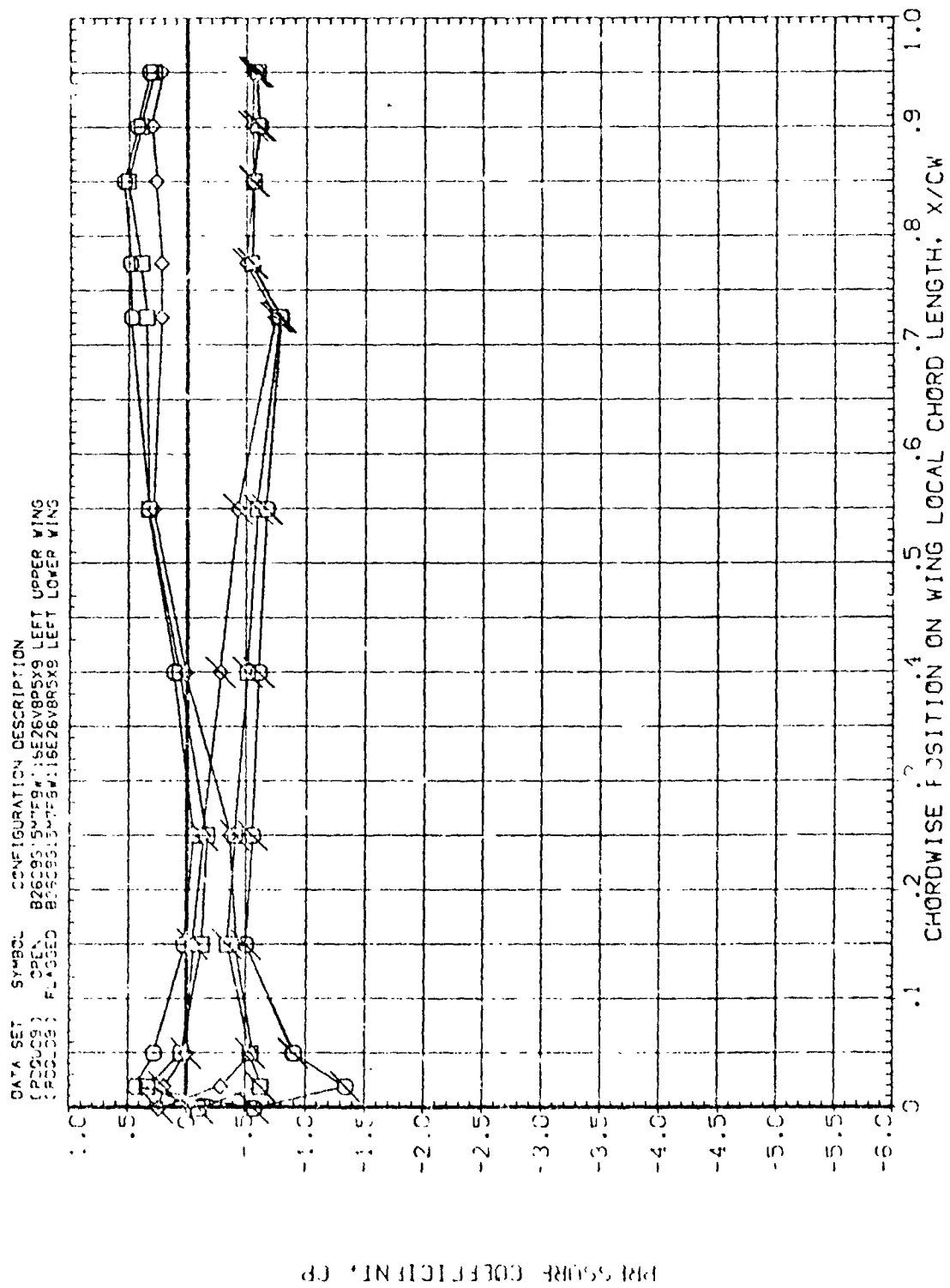


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
○	10.090	.534	-10.060	ELEVON
□	13.190			BDFLAP
◇	16.220			BETA
				-40.000
				-14.250
				-10.000

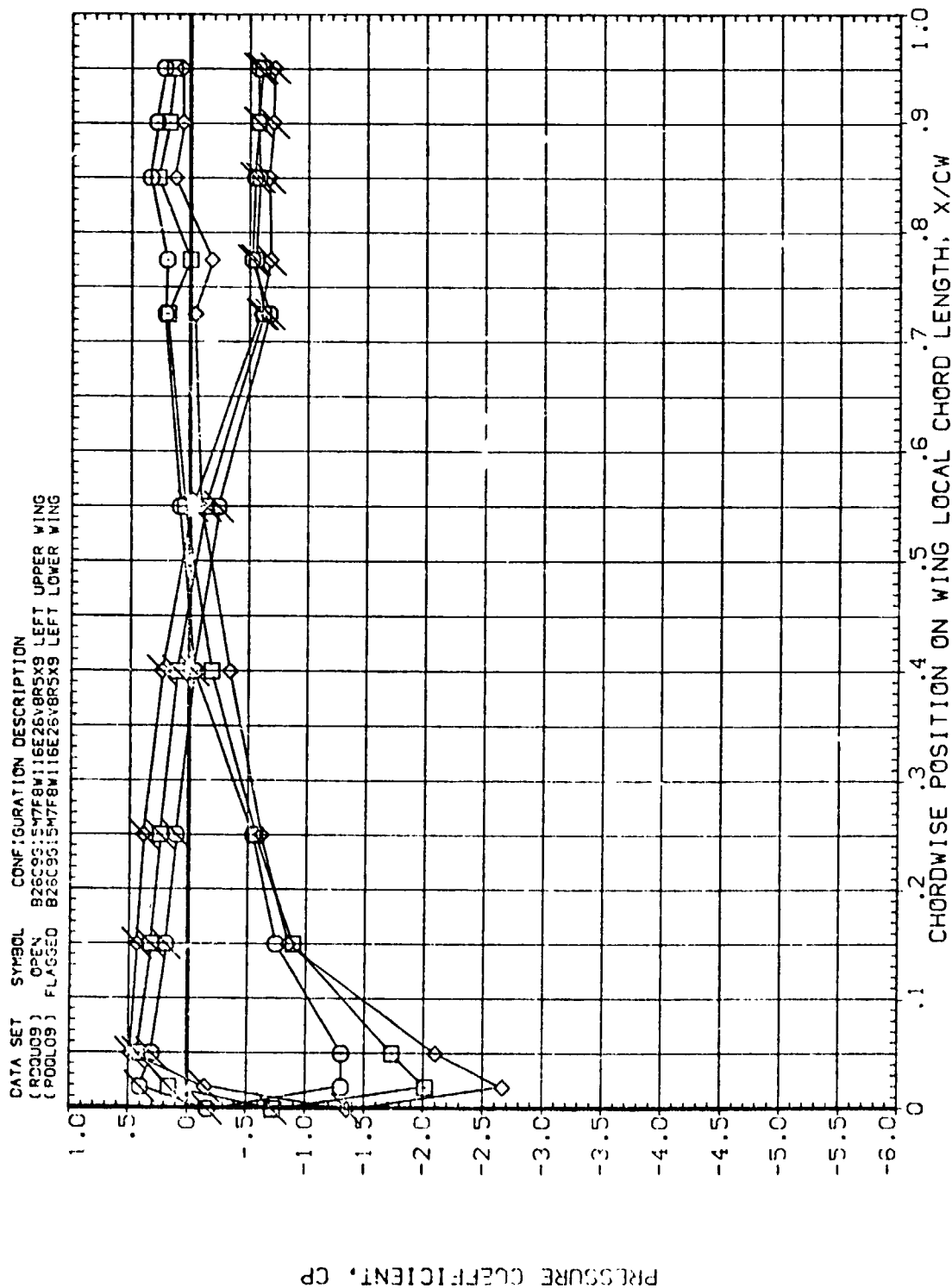


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

Symbol	Alpha	Y/BV	Beta	PARAMETRIC VALUES	
◇	-2.980	.673	-10.060	ELEVON	-40.000
○	.020			BOFLAP	-14.250
◇	5.020			RUDDER	.000
				BETA	-10.000

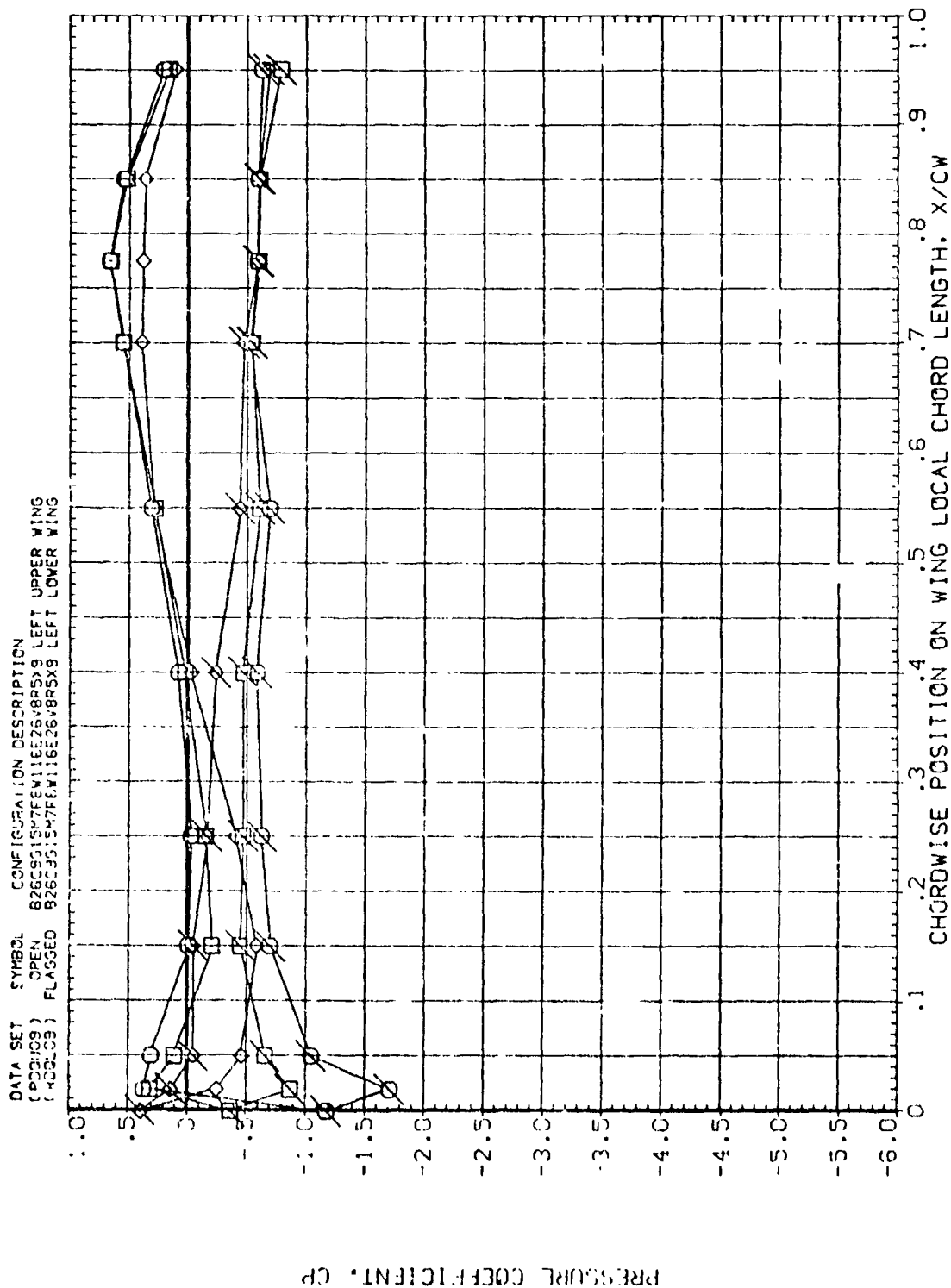


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
□	10.090	.673	-10.060	ELEVON
◇	13.190			BOFLAP
	16.220			
				-40.000 RUDDER
				-14.250 BETA
				-10.000

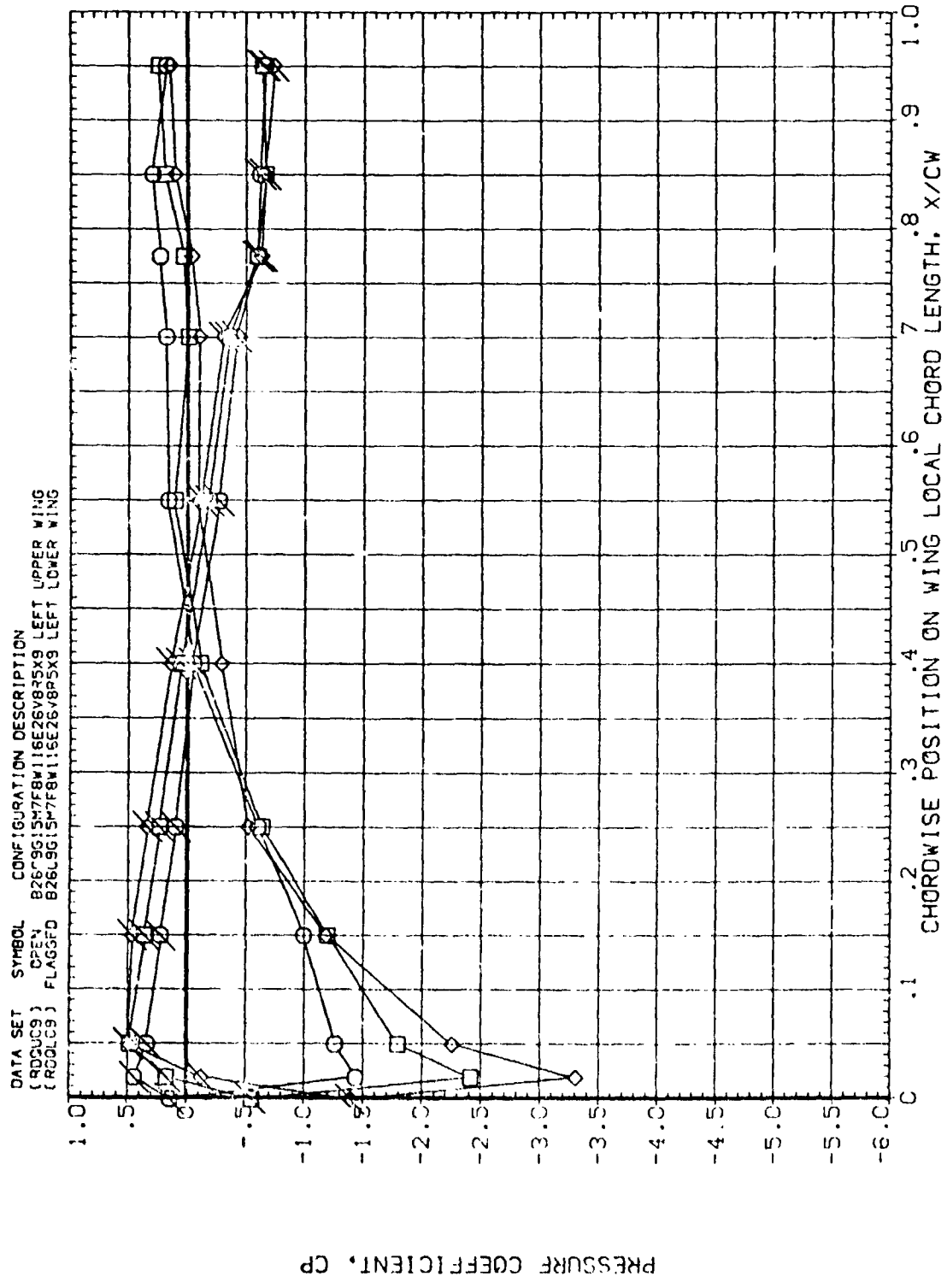


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL ALPHA Y/B_M BETA
 -2.38C .78C -10.05C
 .020
 5.02C

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER 000
 BDFLAP -14.250 BETA -10.000

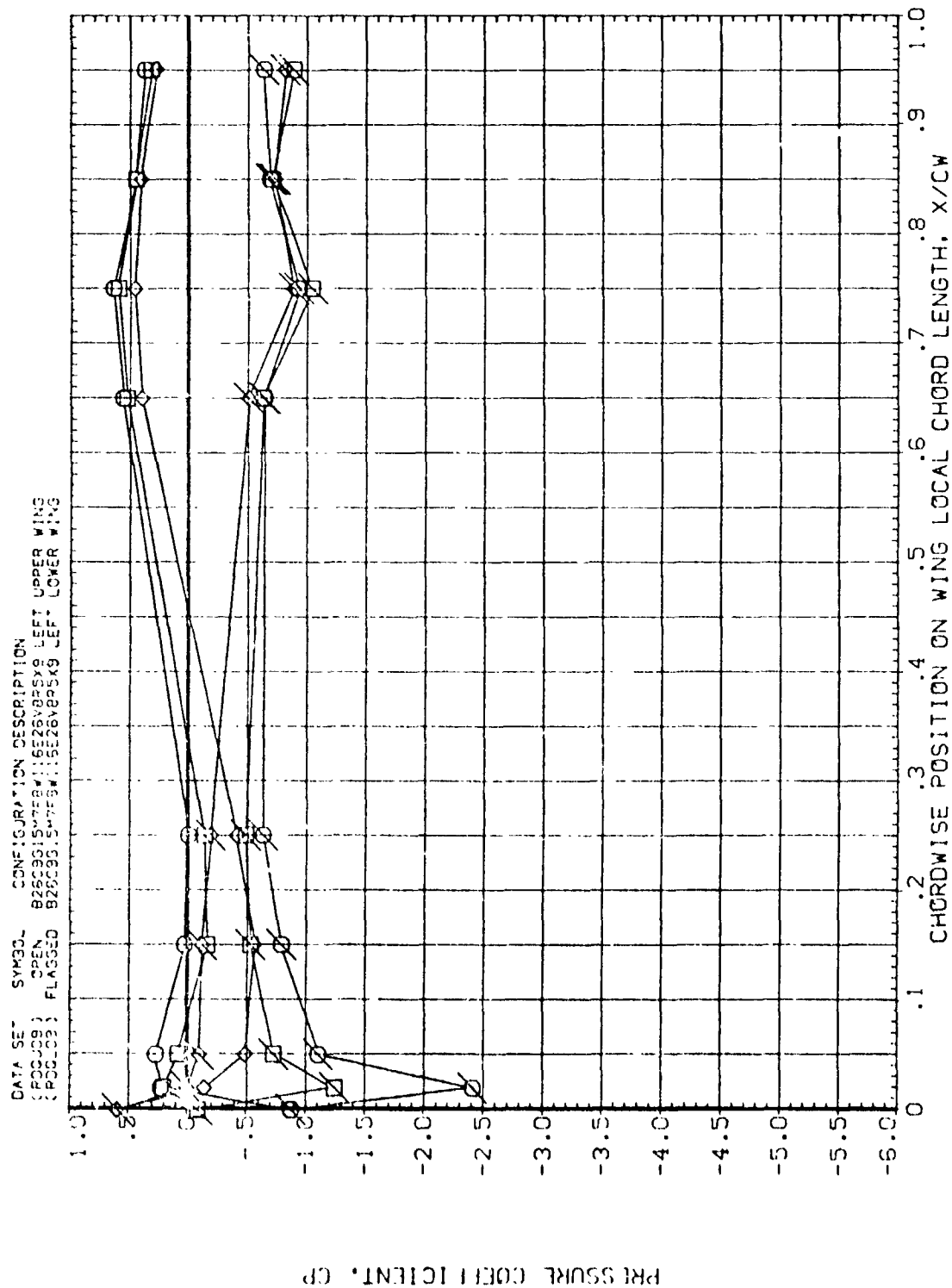


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	10.090	.780	-10.060	-40.000	-14.250	RUDDER
□	13.190					BETA
◇	16.220					

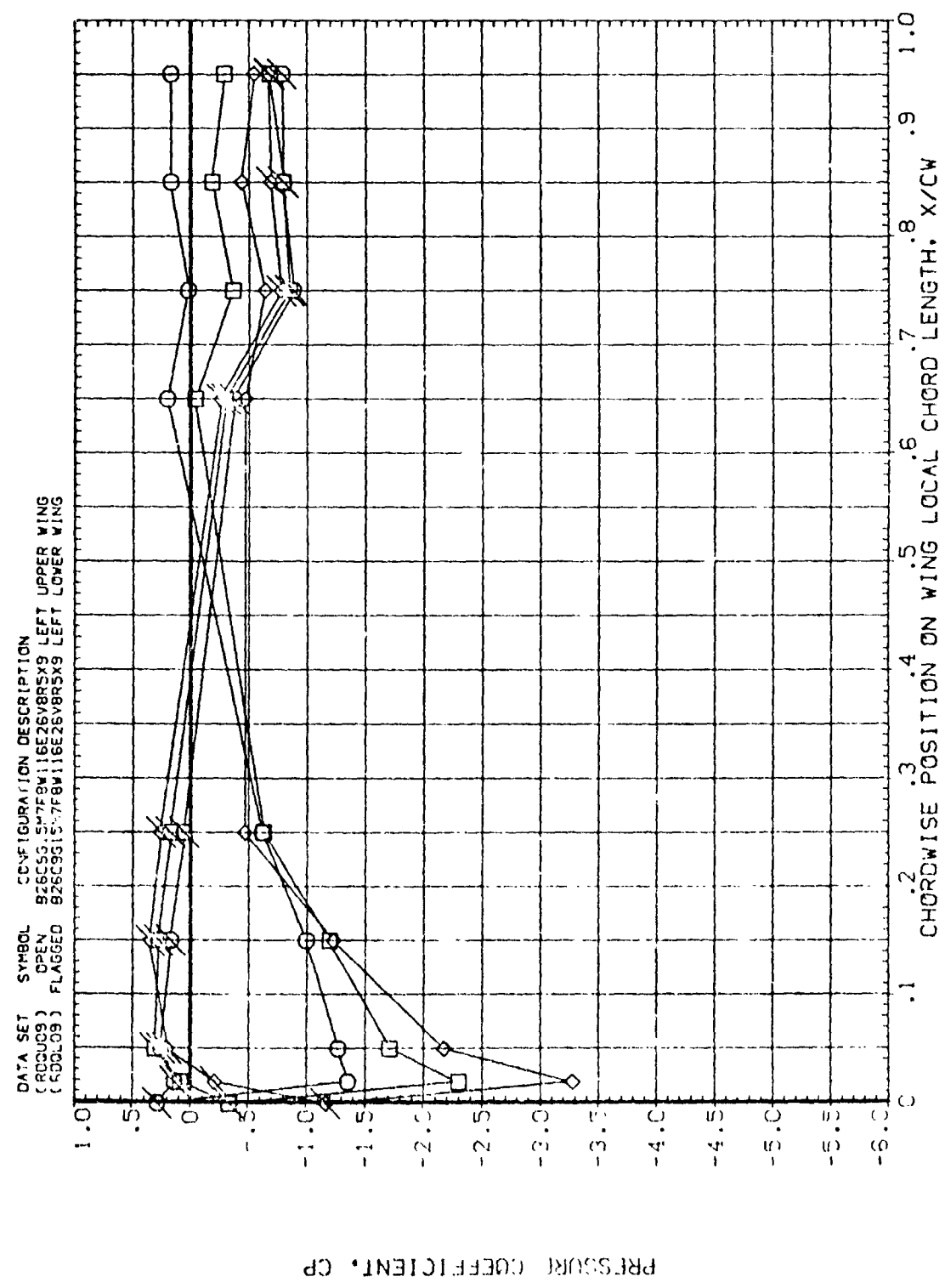


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBO. ALPHA Y/BW BETA
 -2.98C .897 -10.05C
 .02C
 5.02C

PARAMETRIC VALUES
 ELEVON -40.00C RUDDER .000
 BDFLAP -14.25C BETA -10.00C

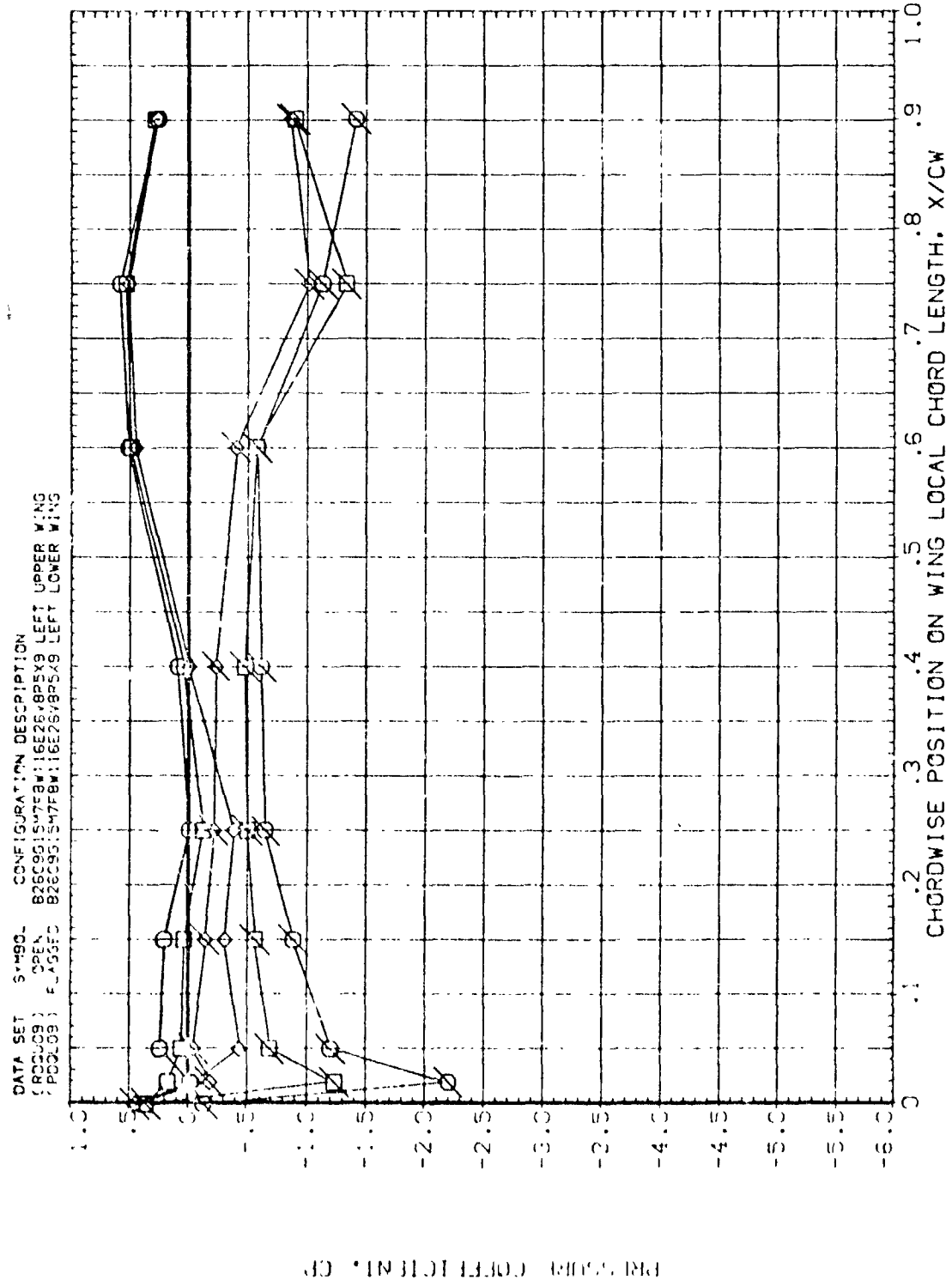


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL ALPHA Y/BW BETA
 10.090 .887 -10.060
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

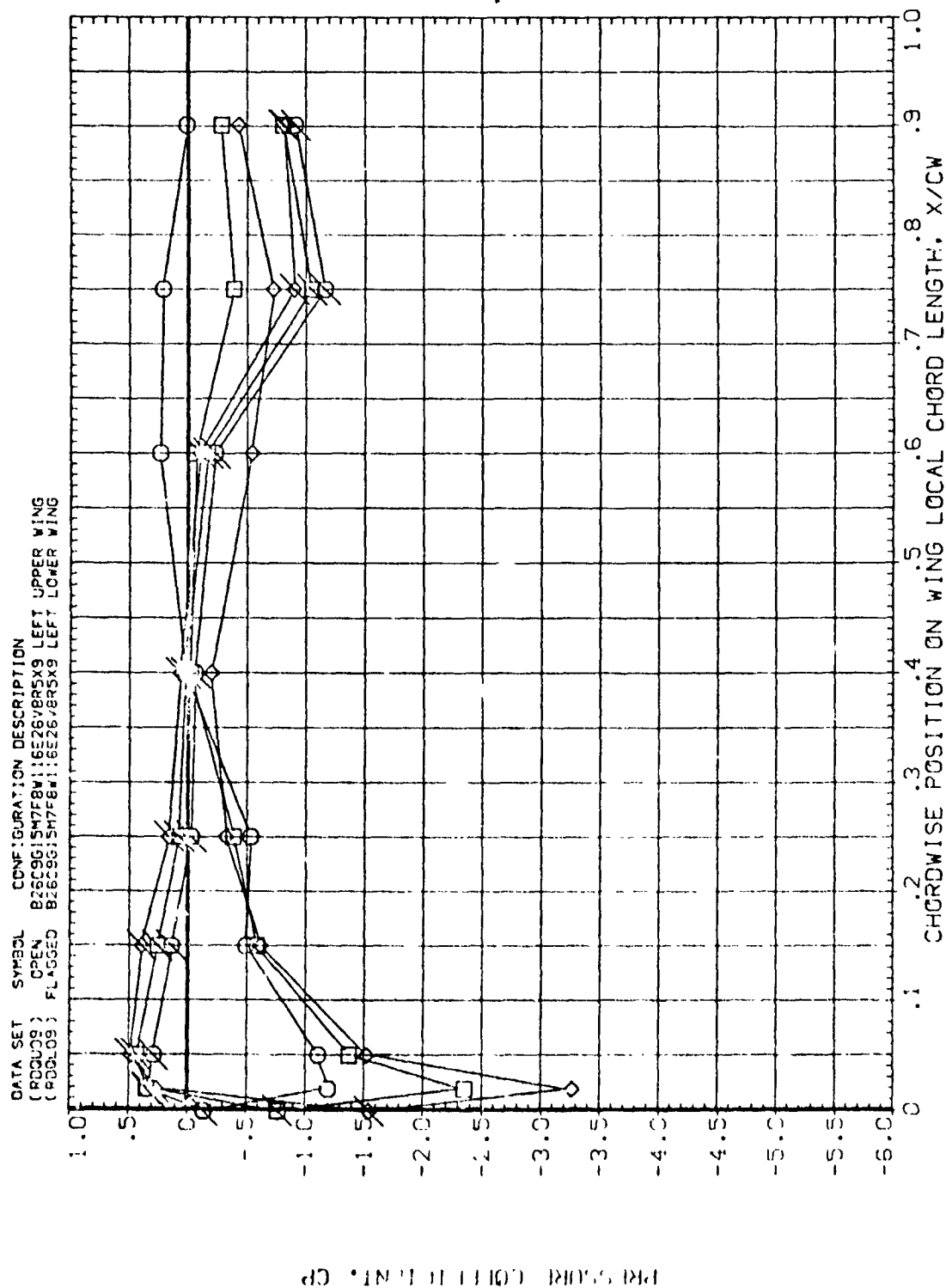


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

SYMBOL ALPHA Y/BV BETA
-2.050 .299 .010
.050
5.130

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(R00010) 0000 B2C0915M78B116E26V85X9 LEFT UPPER WING
(P00110) FLAGEE B2C0915M78B116E26V85X9 LEFT LOWER WING

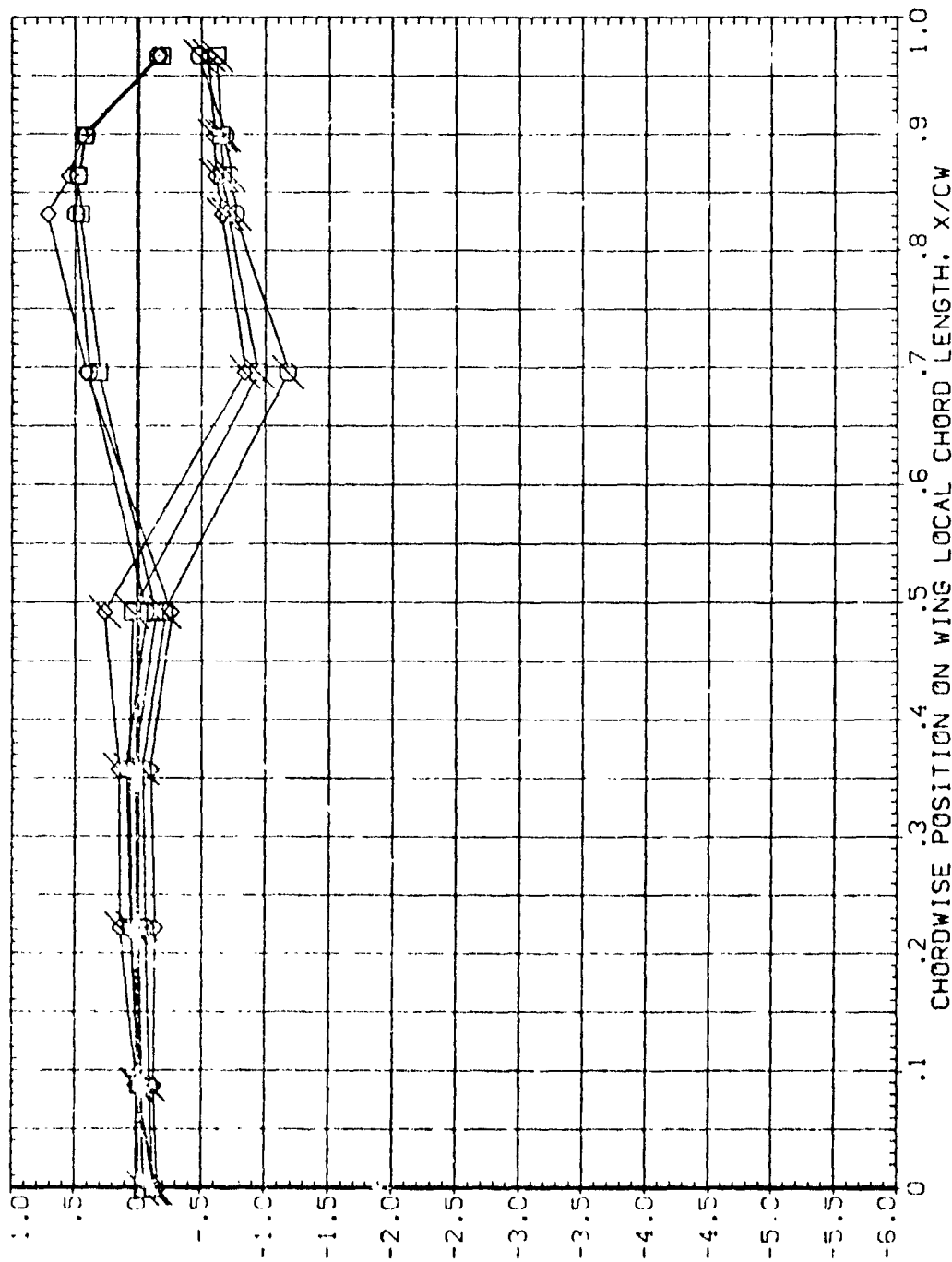


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.100	.299	-.010	-40.000	RUDDER .000
□	13.220			-14.250	BETA .000
◇	16.240				

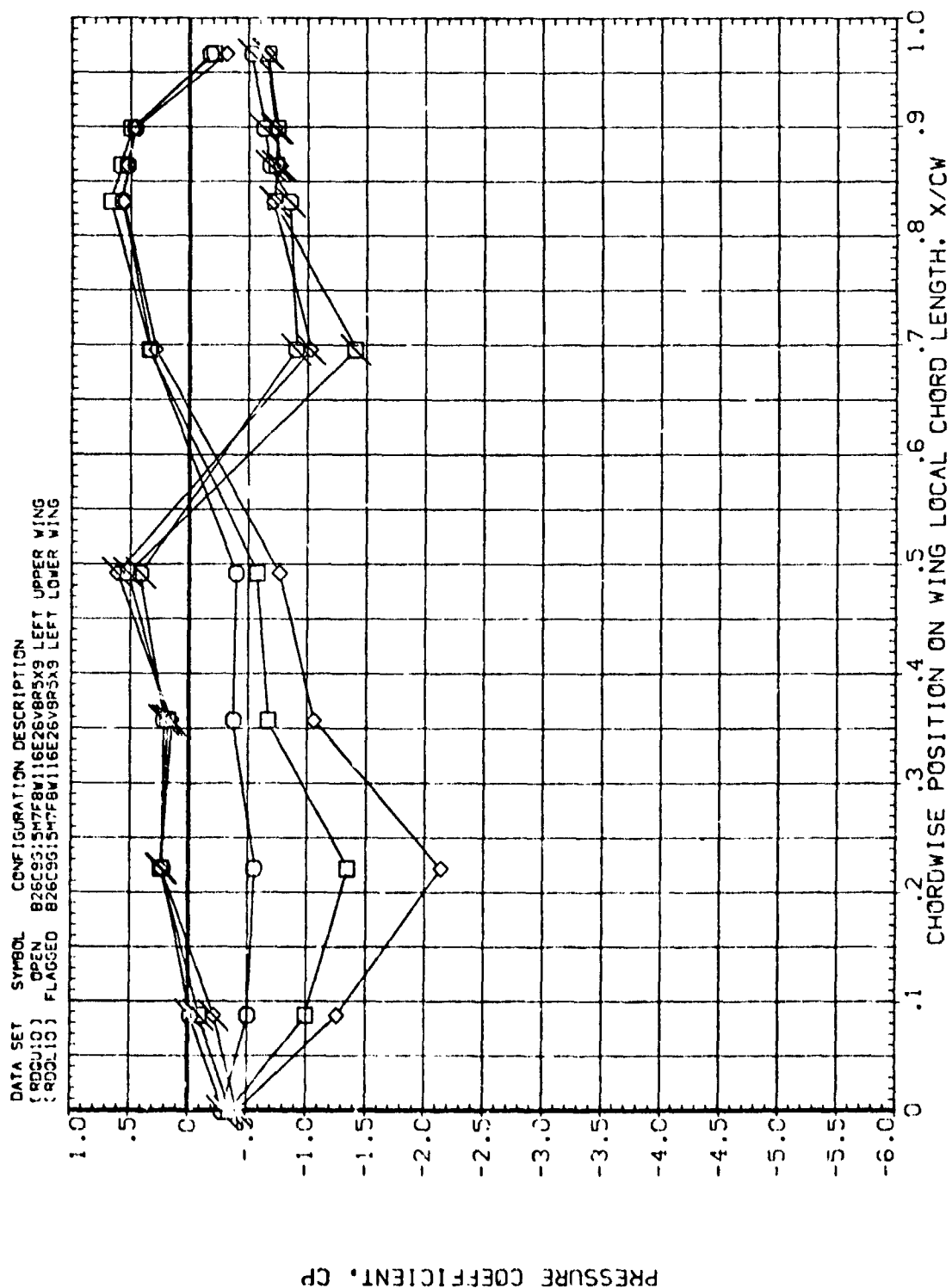


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA
 ALPHA Y/B₀ BETA
 -2.550 .352 -.010
 .050
 5.030

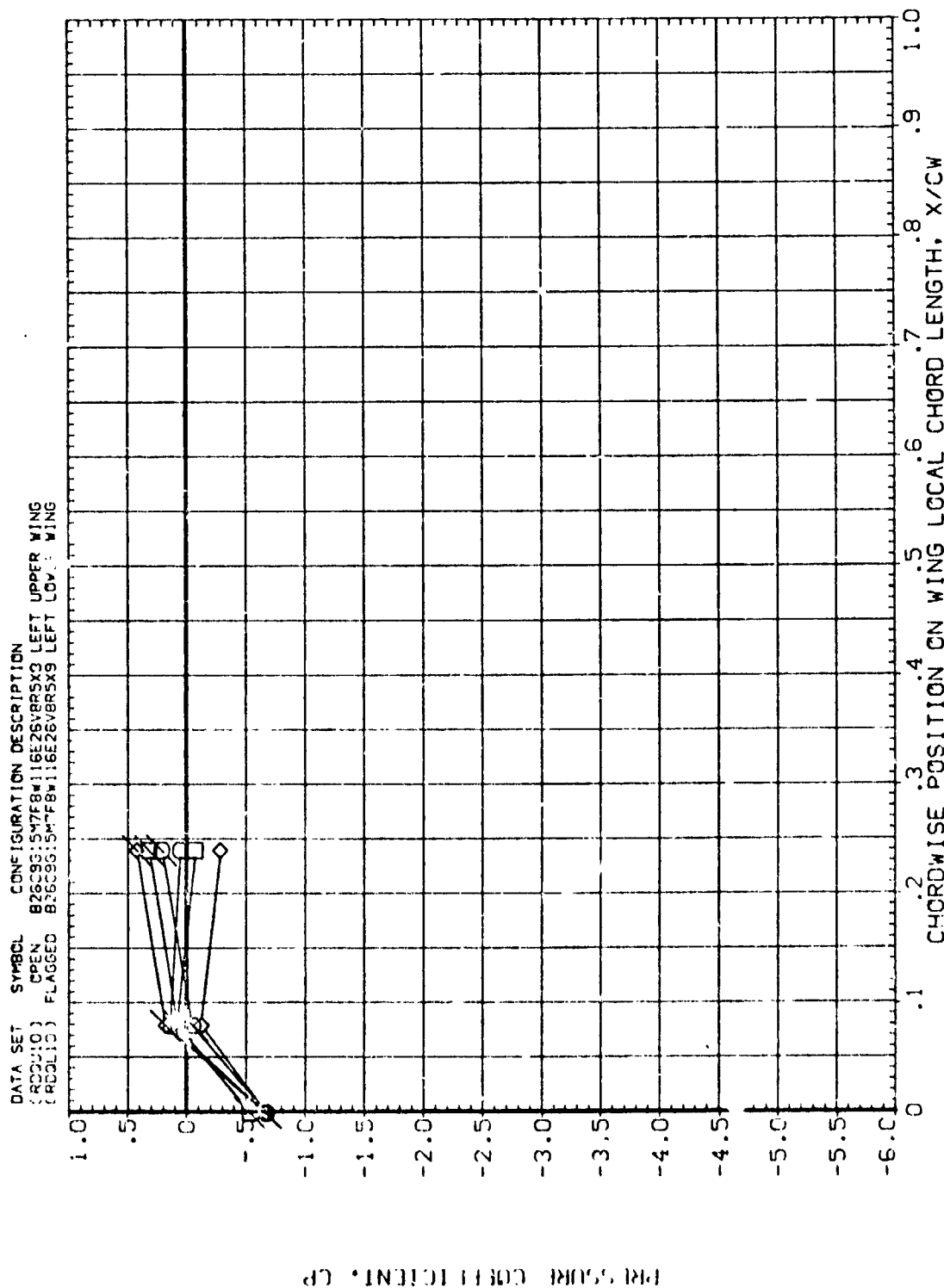


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BOFLAP -14.250 BETA .000

SYMBOL ALPHA Y/BW BETA
 10.100 .352 -.010
 13.220
 16.240

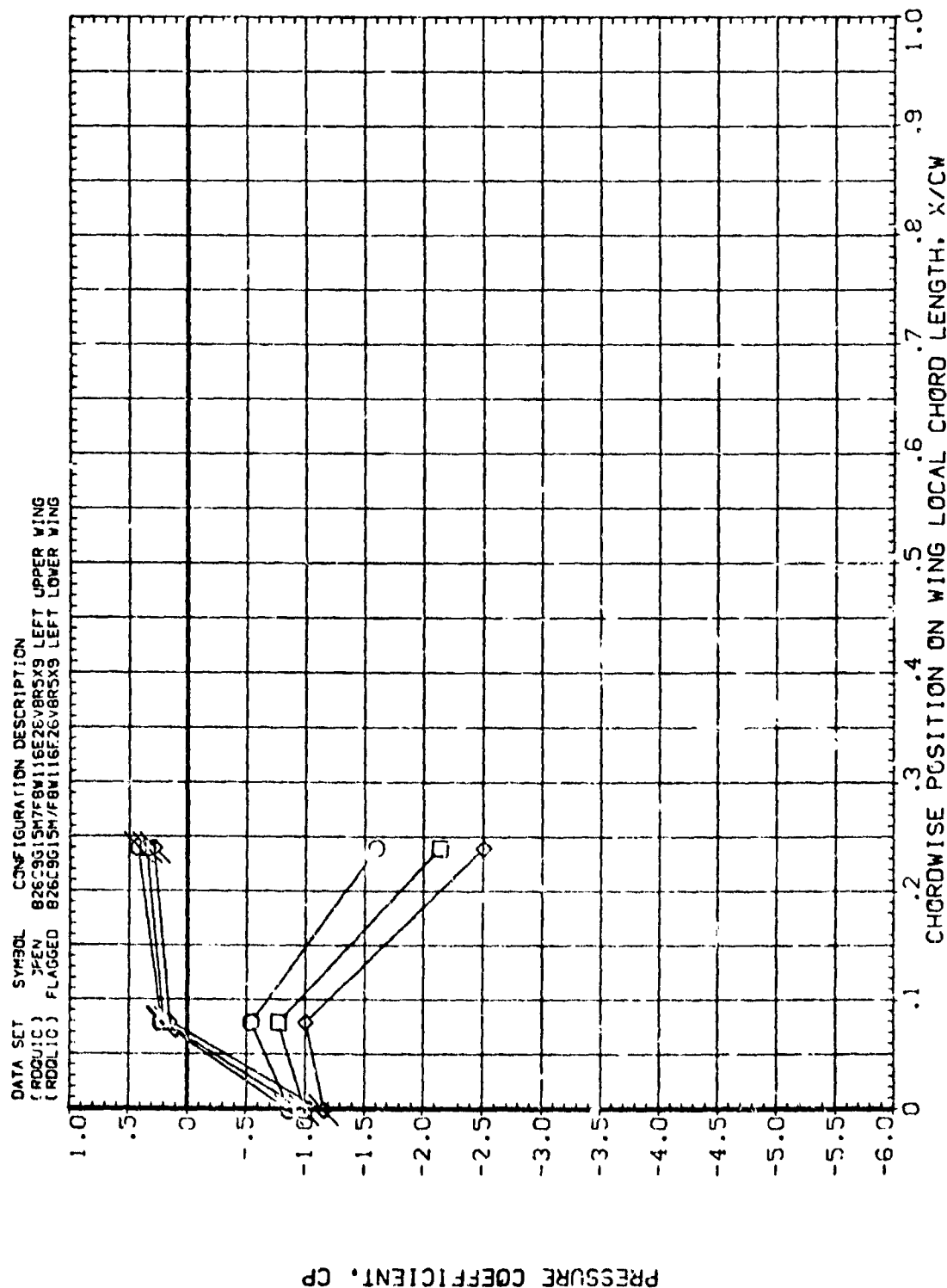


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

0.5

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
□	-2.950	.405	-0.010	ELEVON	-40.000
◇	.050			BOFLAP	-14.250
◇	5.030				BETA .000

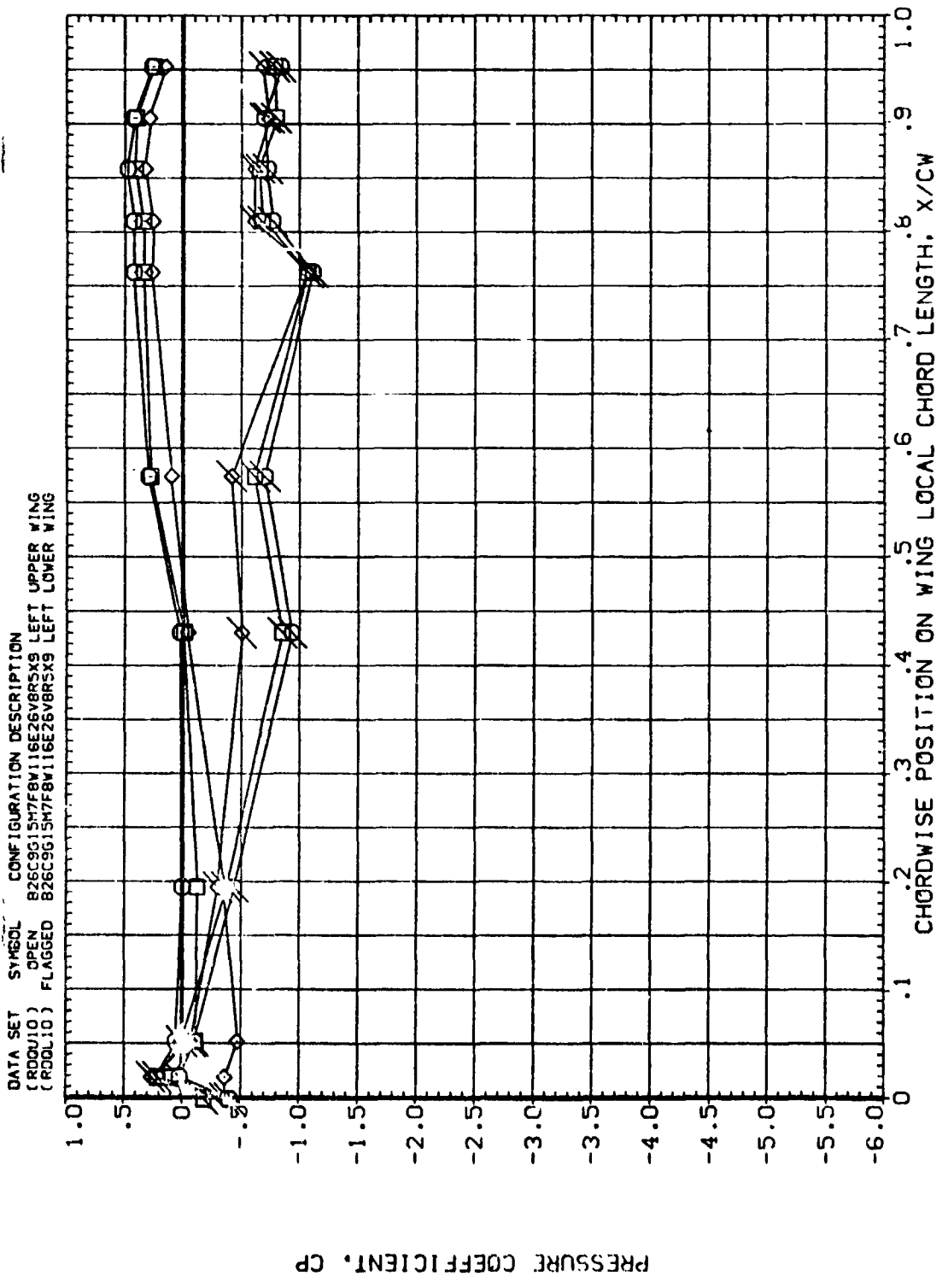


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.100	.405	-.010	BDFLAP	-40.000 RUDDER .000
◇	13.220				-14.250 BETA .000
◇	16.240				

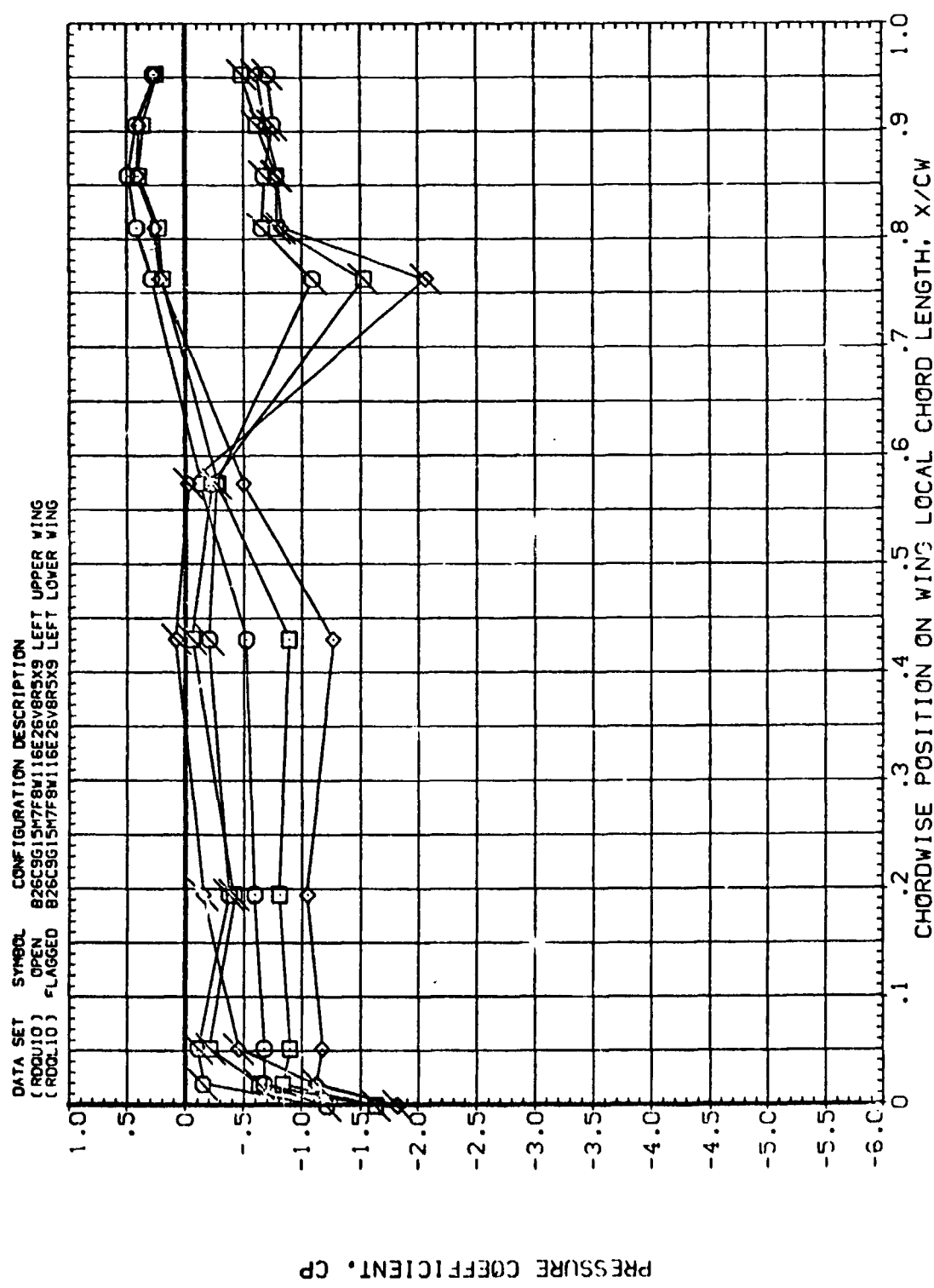


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
□	-2.950	.534	-0.010	ELEVON	-40.000
◇	.050			BOFLAP	-14.250
◇	5.030			RUDDER	.000
				BETA	.000

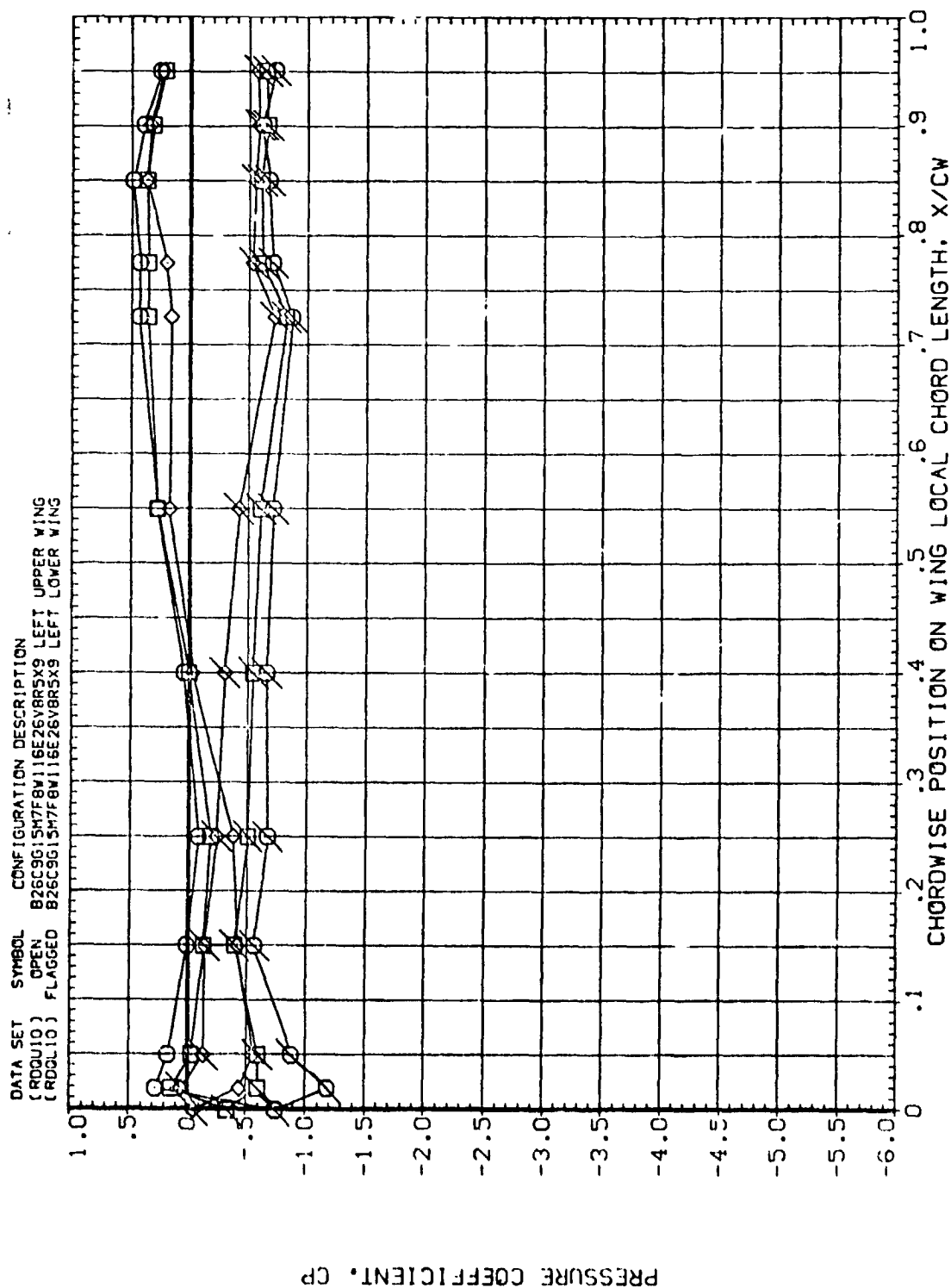


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	10.100	.534	-.010	ELEVON -40.000 RUDDER .000
□	13.220			BDFLAP -14.250 BETA .000
◇	16.240			

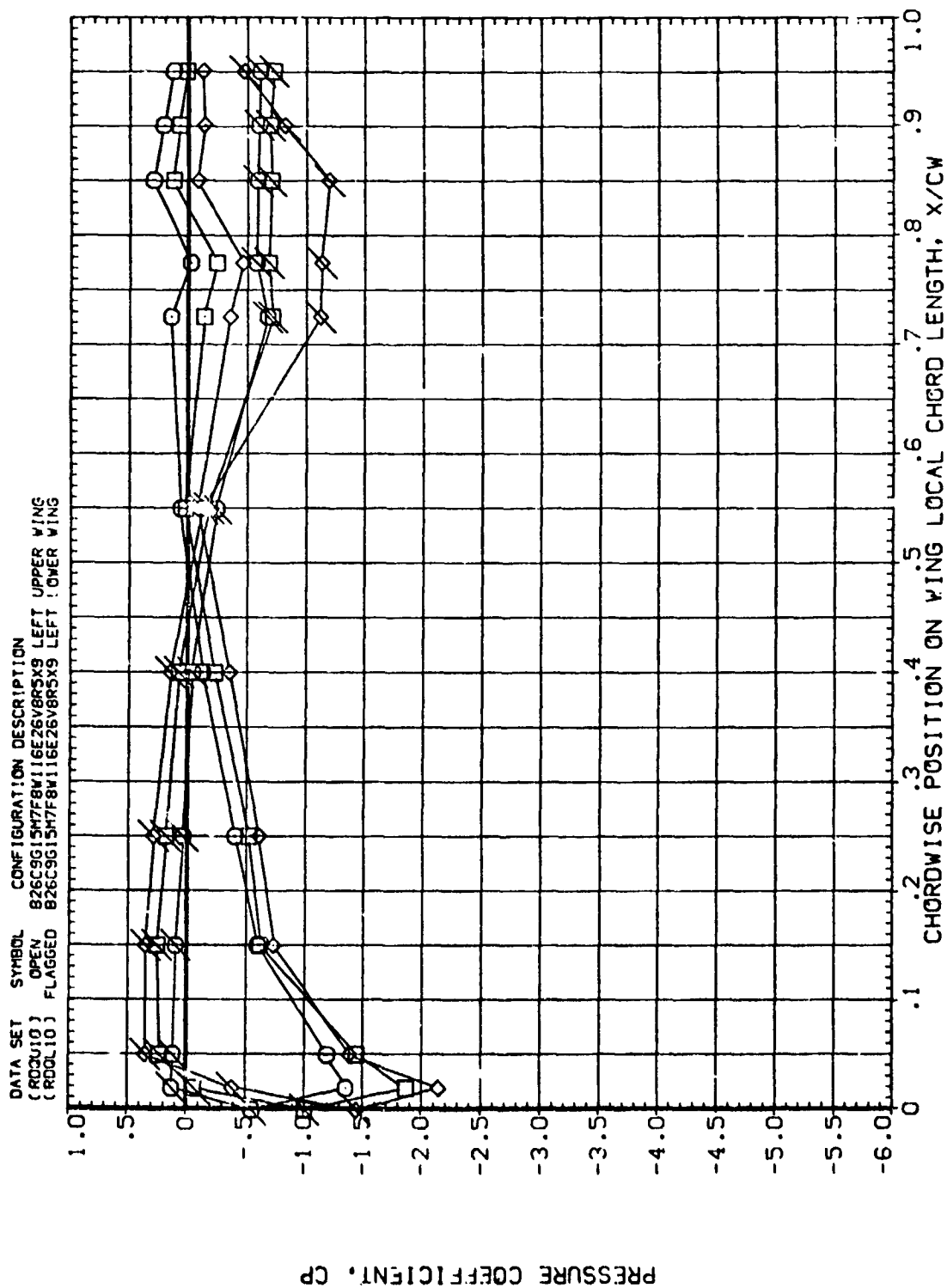


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA .000

Y/BW .673 BETA -.010

ALPHA
-2.950
.050
5.030

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RQ010) OPEN B26C9315M7F8W116E26V8RSX9 LEFT UPPER WING
(RDL10) FLAGGED B26C9315M7F8W116E26V8RSX9 LEFT LOWER WING

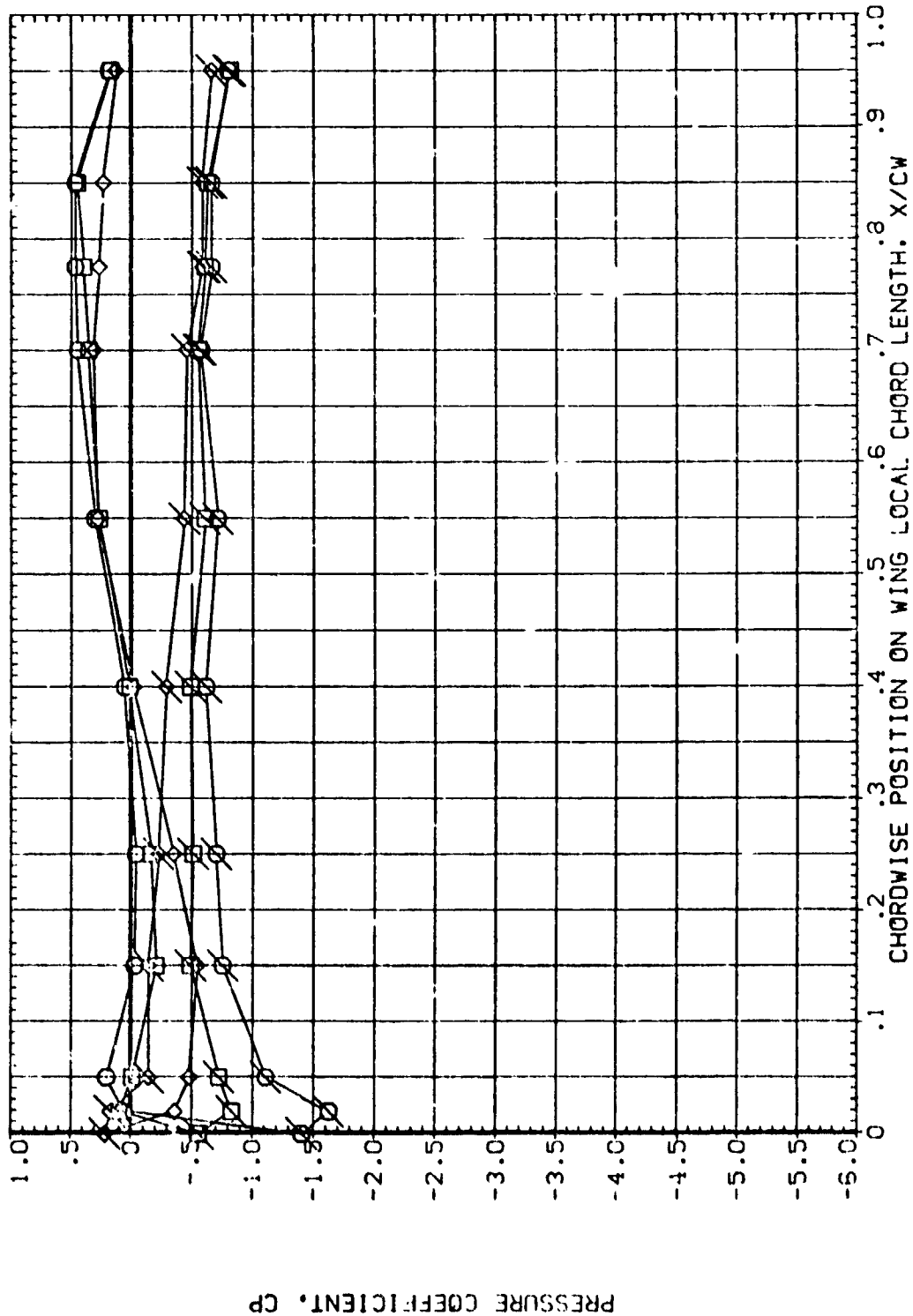


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
	10.100	.673	-0.010	ELEVON	-40.000	RUDDER
	13.220			BDFLAP	-14.250	BETA
	16.240					

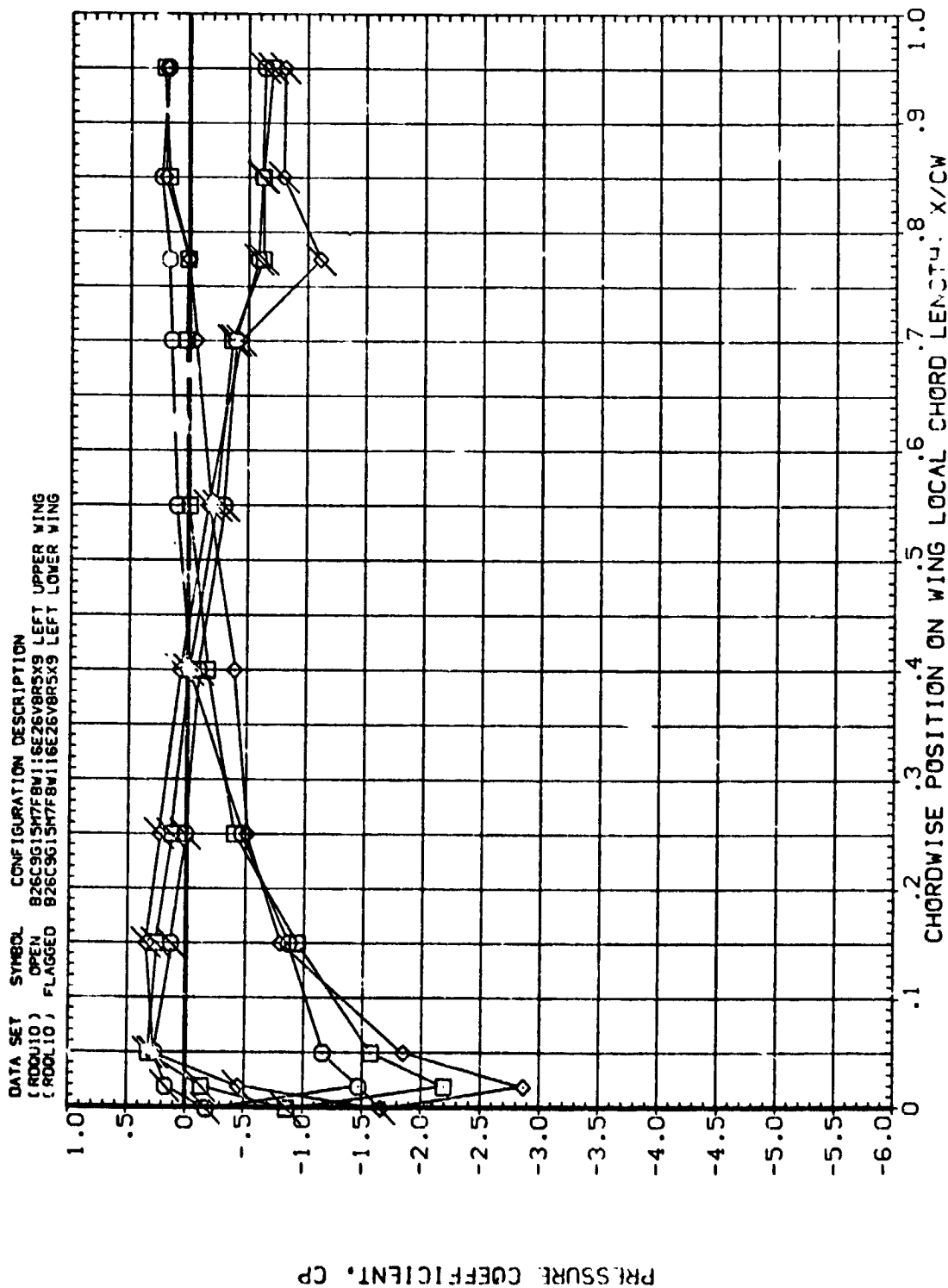


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

U

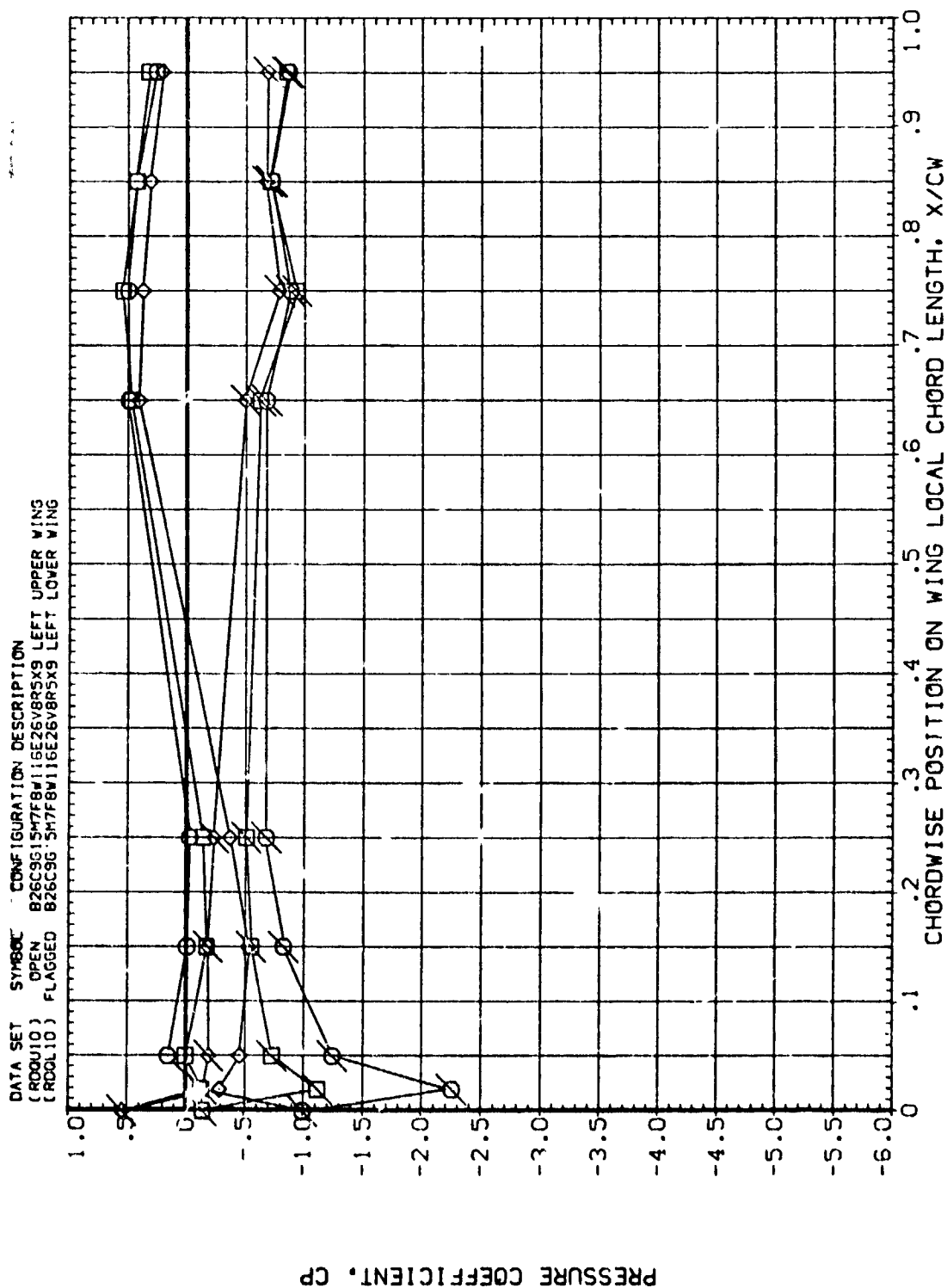


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL ALPHA Y/BV BETA
 10.100 .780 -.010
 13.220
 16.240

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA .000

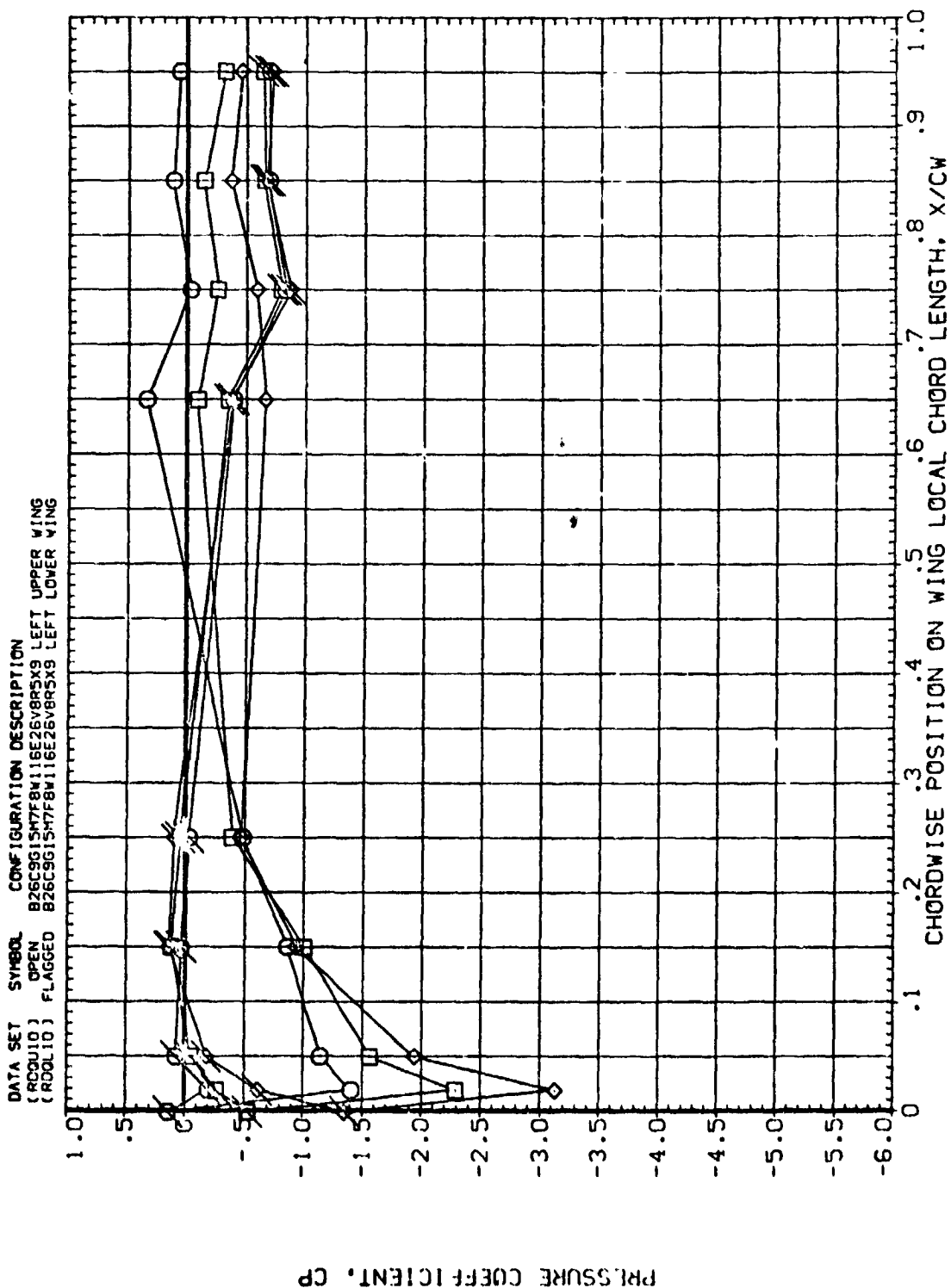


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES		
□	-2.950	.887	-0.010	ELEVON	-40.000	RUDDER .000
◇	.050			BDFLAP	-14.250	BETA .000
◇	5.030					

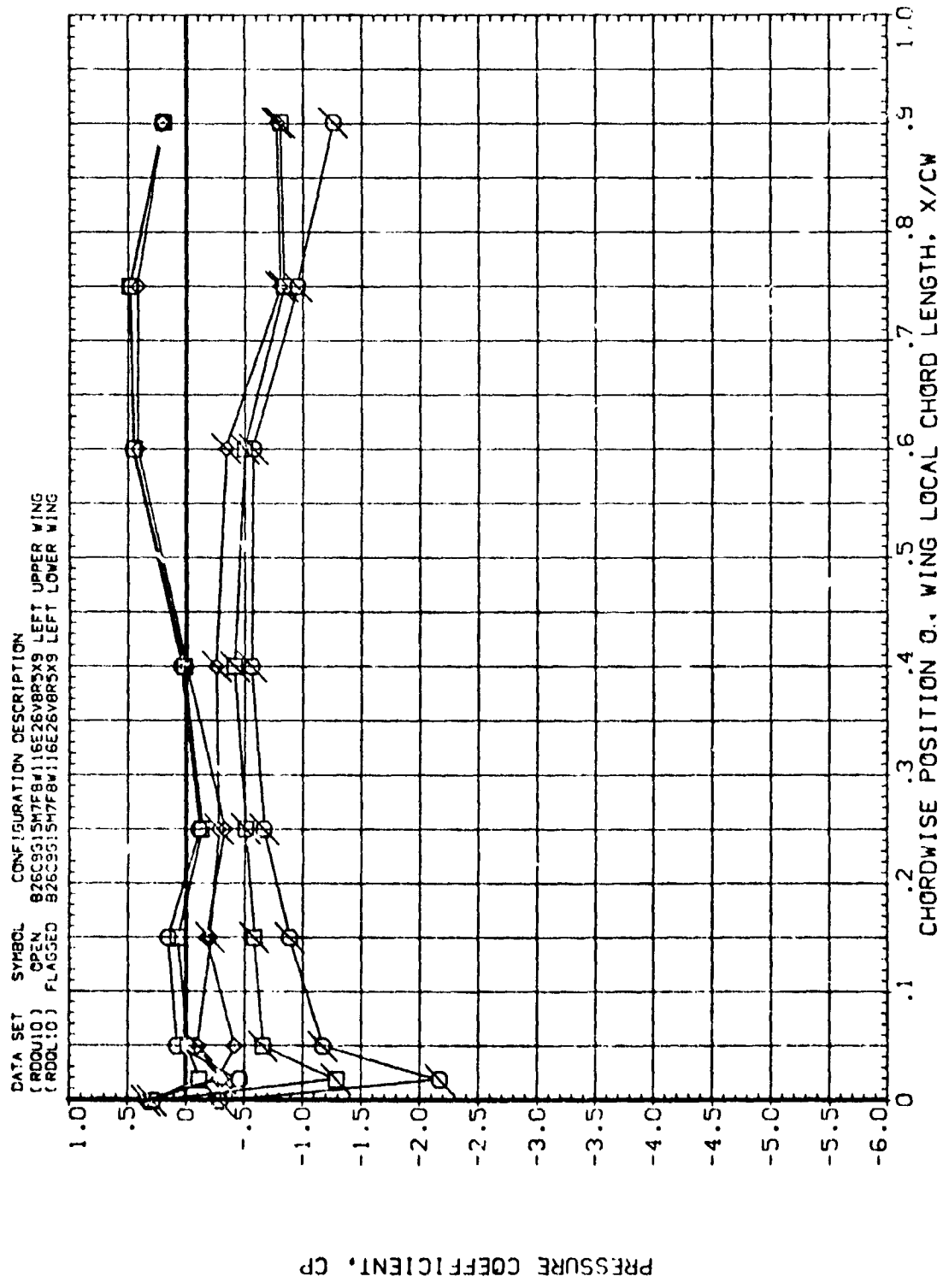


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

PAGE 339

SYMBOL ALPHA Y/BV BETA
 10.100 .887
 13.220
 16.240

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA .000

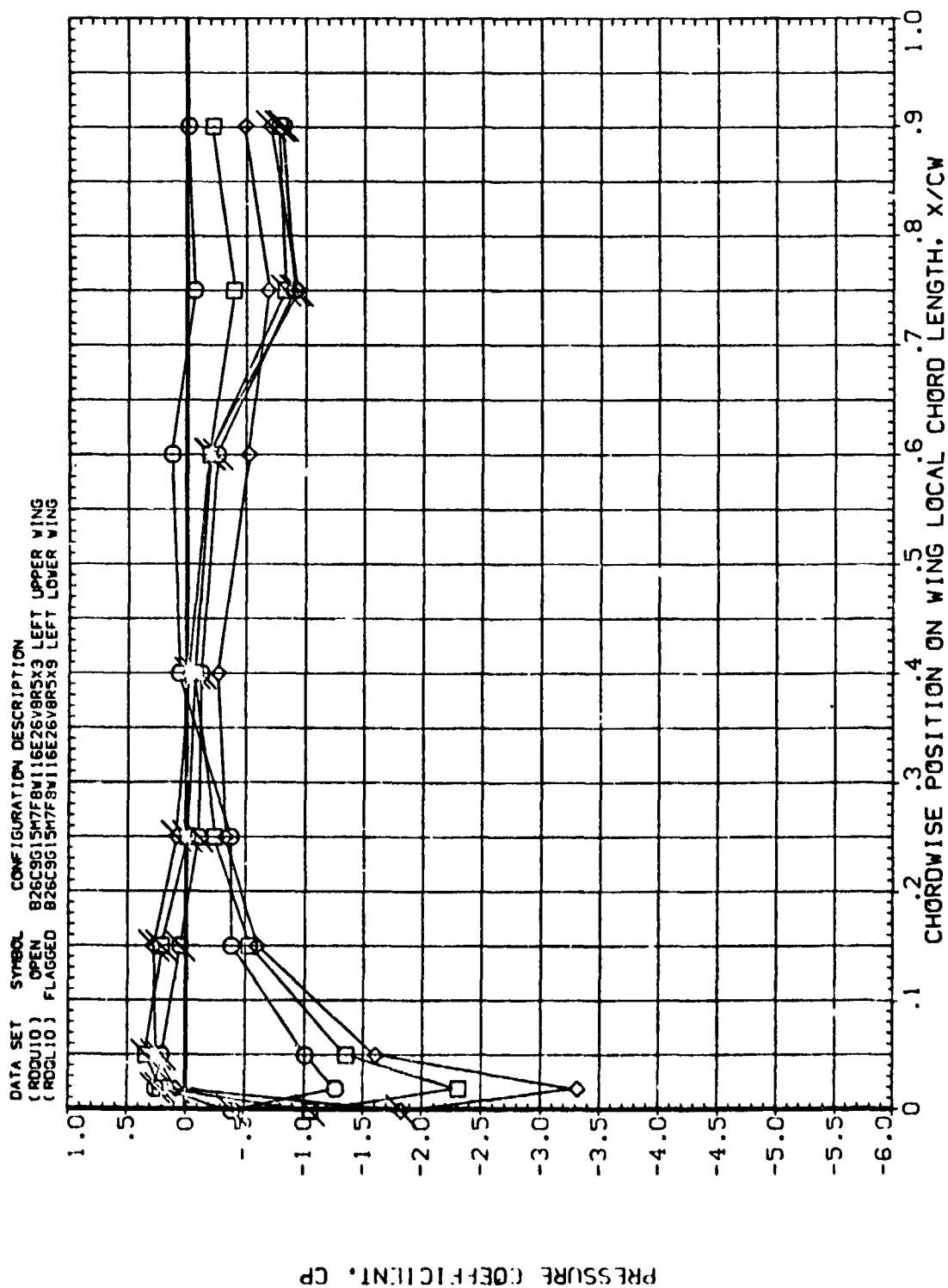


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

E

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
◇	-2.970	.299	10.050	ELEVON -40.000 RUDDER .000
□	-0.030			BDFLAP -14.250 BETA 10.000
◇	5.020			

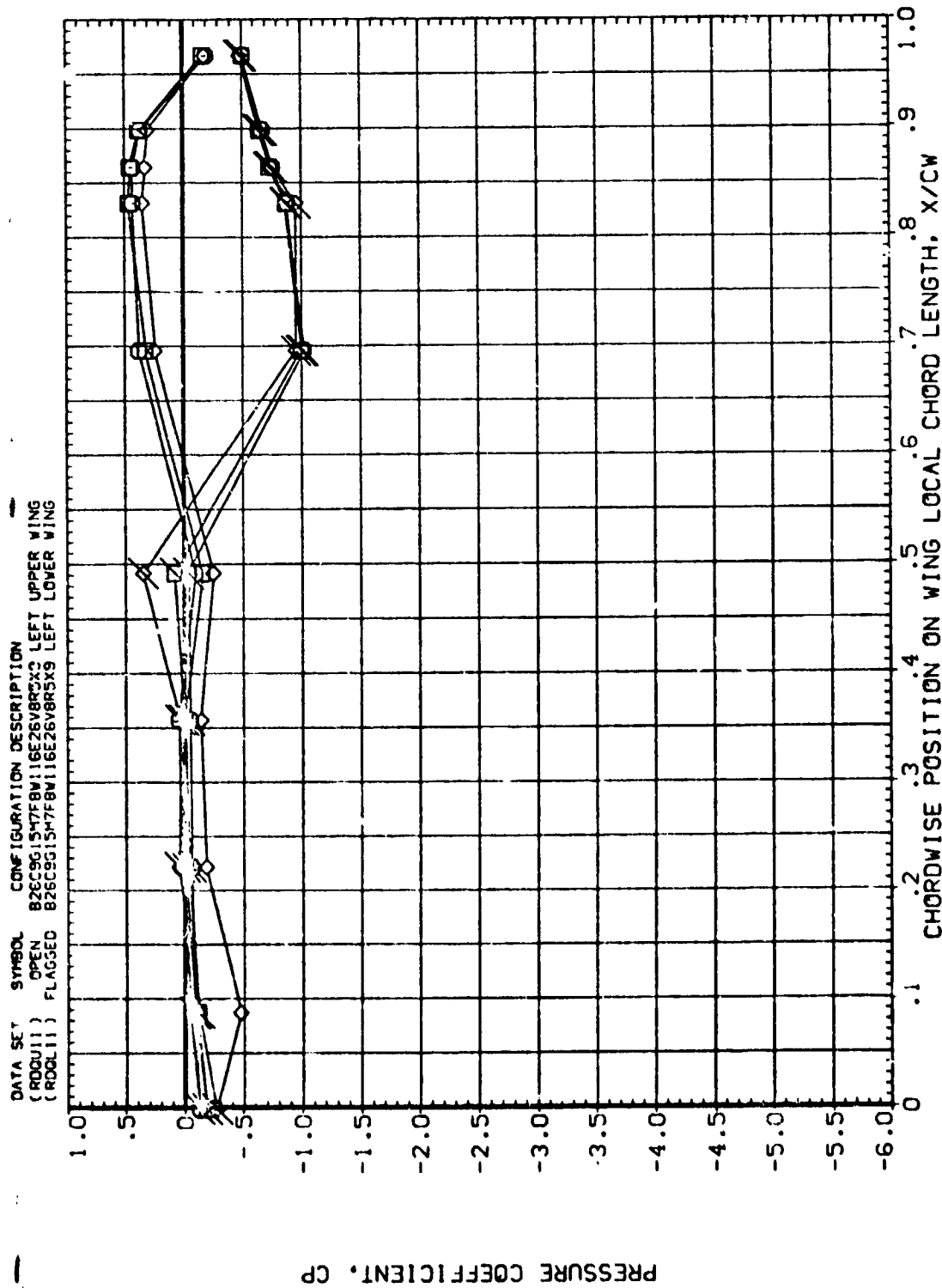


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.120	.299	10.050	80FLAP	-40.000 RUDDER
◇	13.190				-14.250 BETA
	16.220				10.000

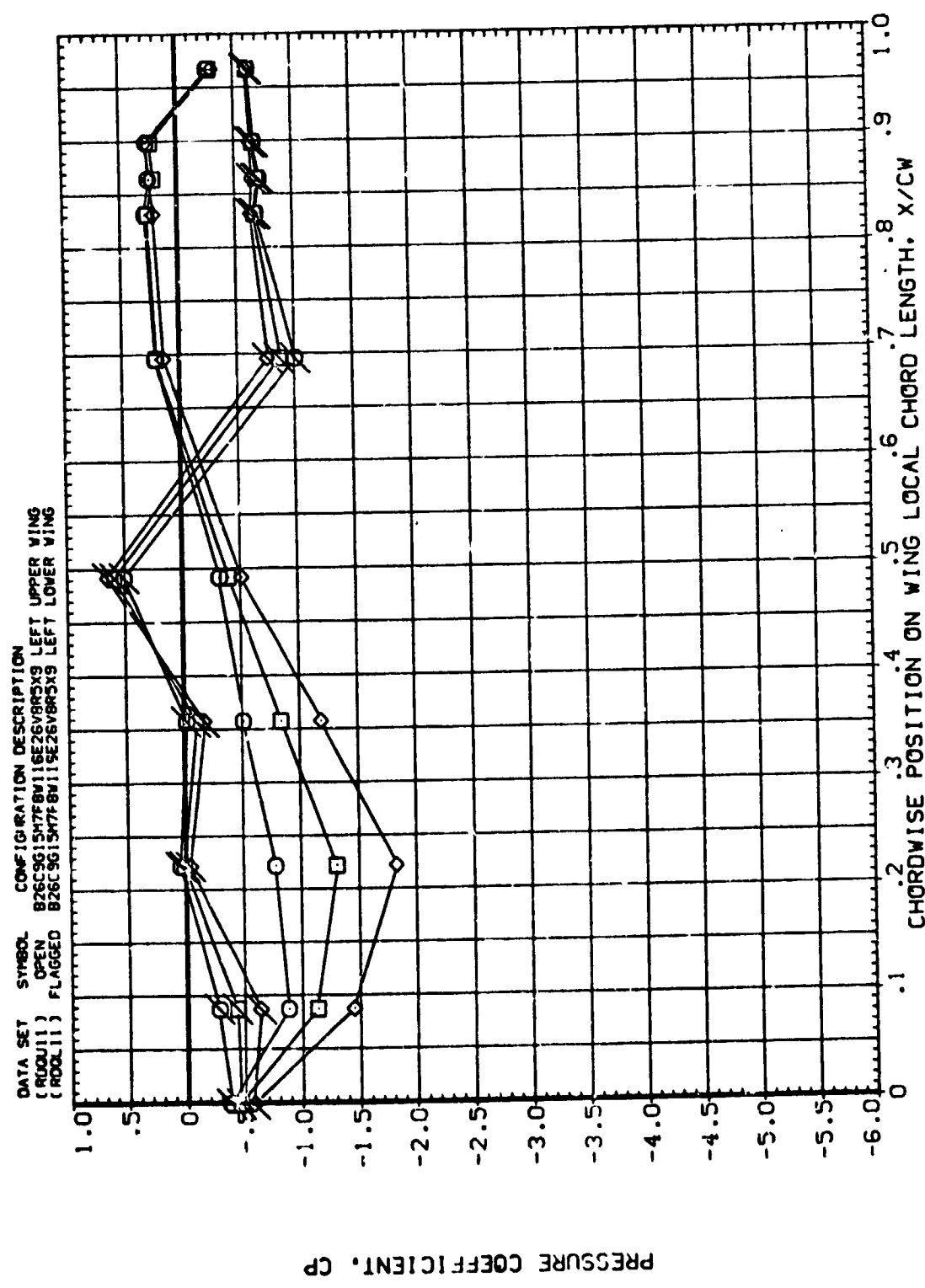


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.970	.352	10.050	BDFLAP	-40.000 RUDDER
◇	-0.030				-14.250 DELTA
	5.020				10.000

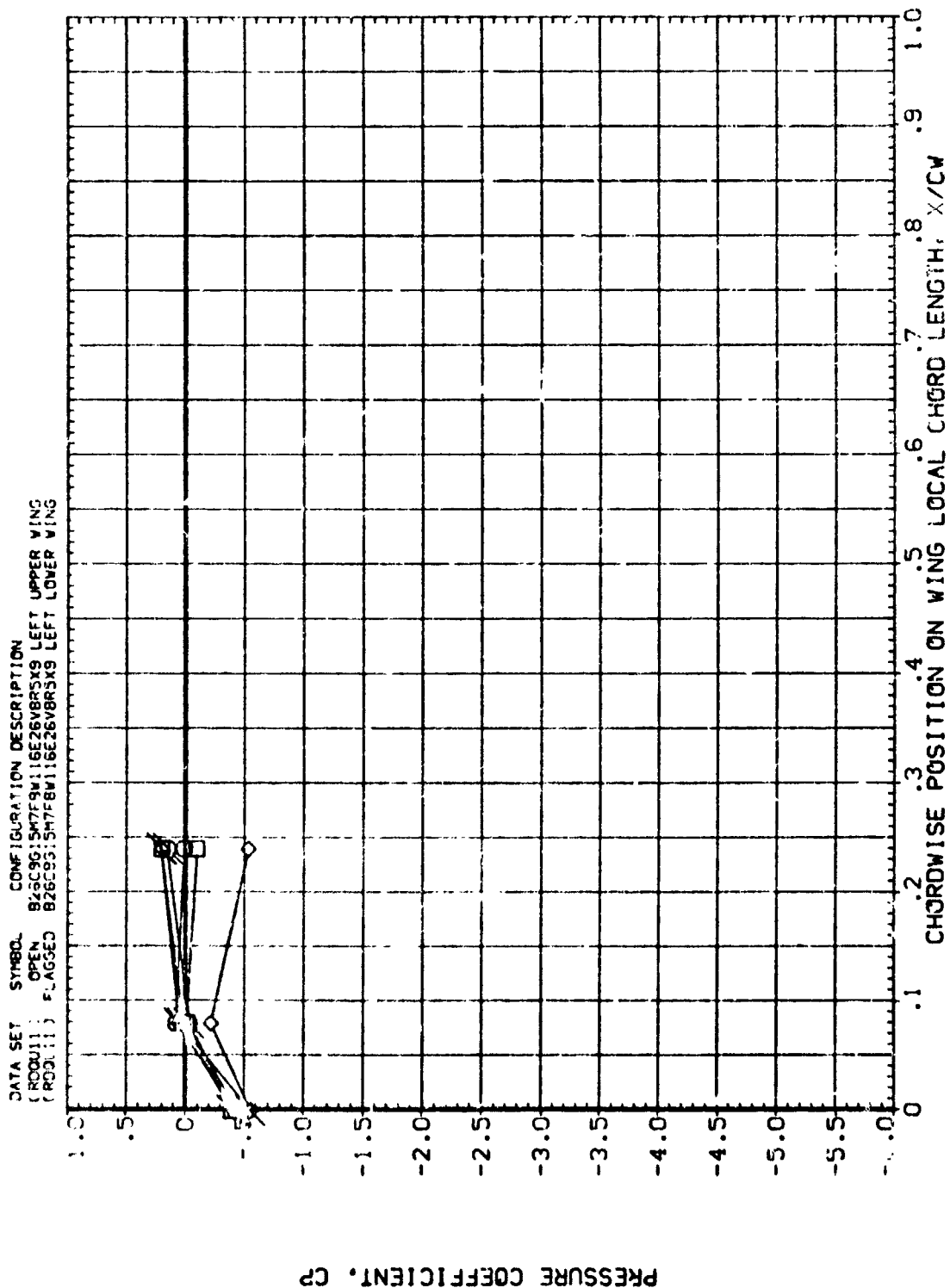


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.352	10.050	BDFLAP	-40.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				10.000

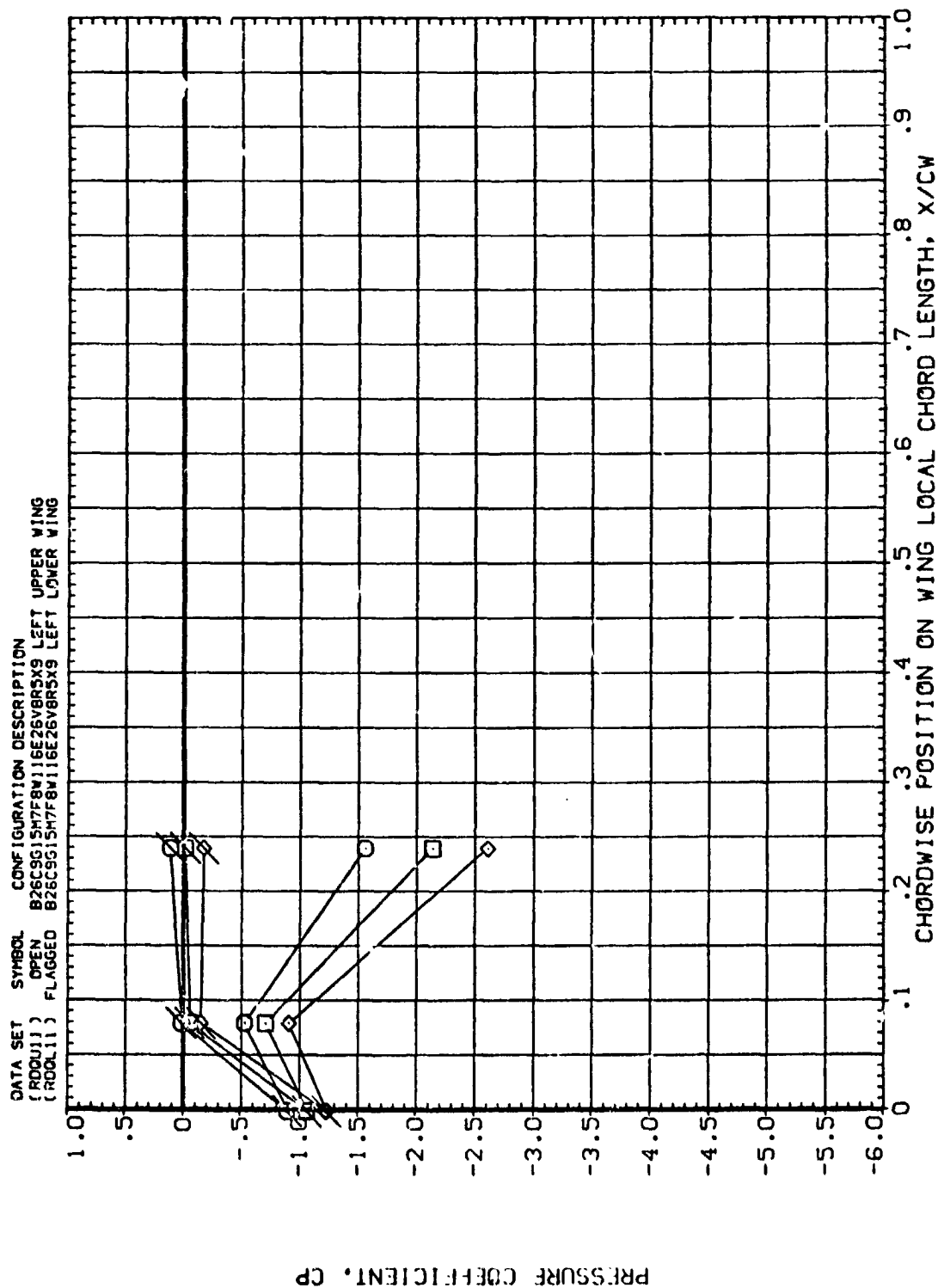


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
□	-2.970	.405	10.050	ELEVON
◇	.030			BDFLAP
	5.020			
				-40.000 RUDDER
				-14.250 BETA
				10.000

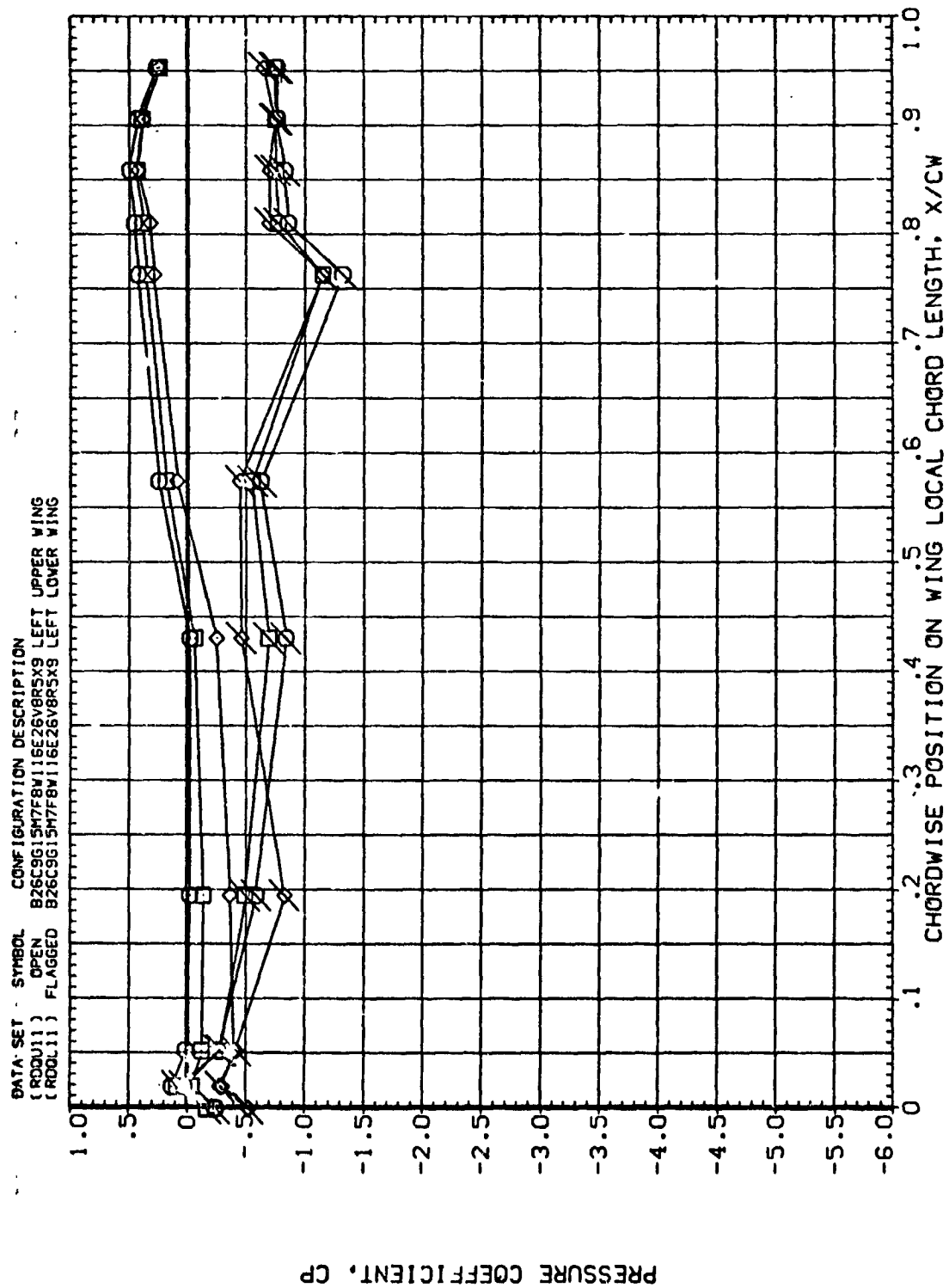


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
□	10.120	.405	10.050	-40.000	-14.250	RUDDER .000
◇	13.190					BETA 10.000
◇	16.220					

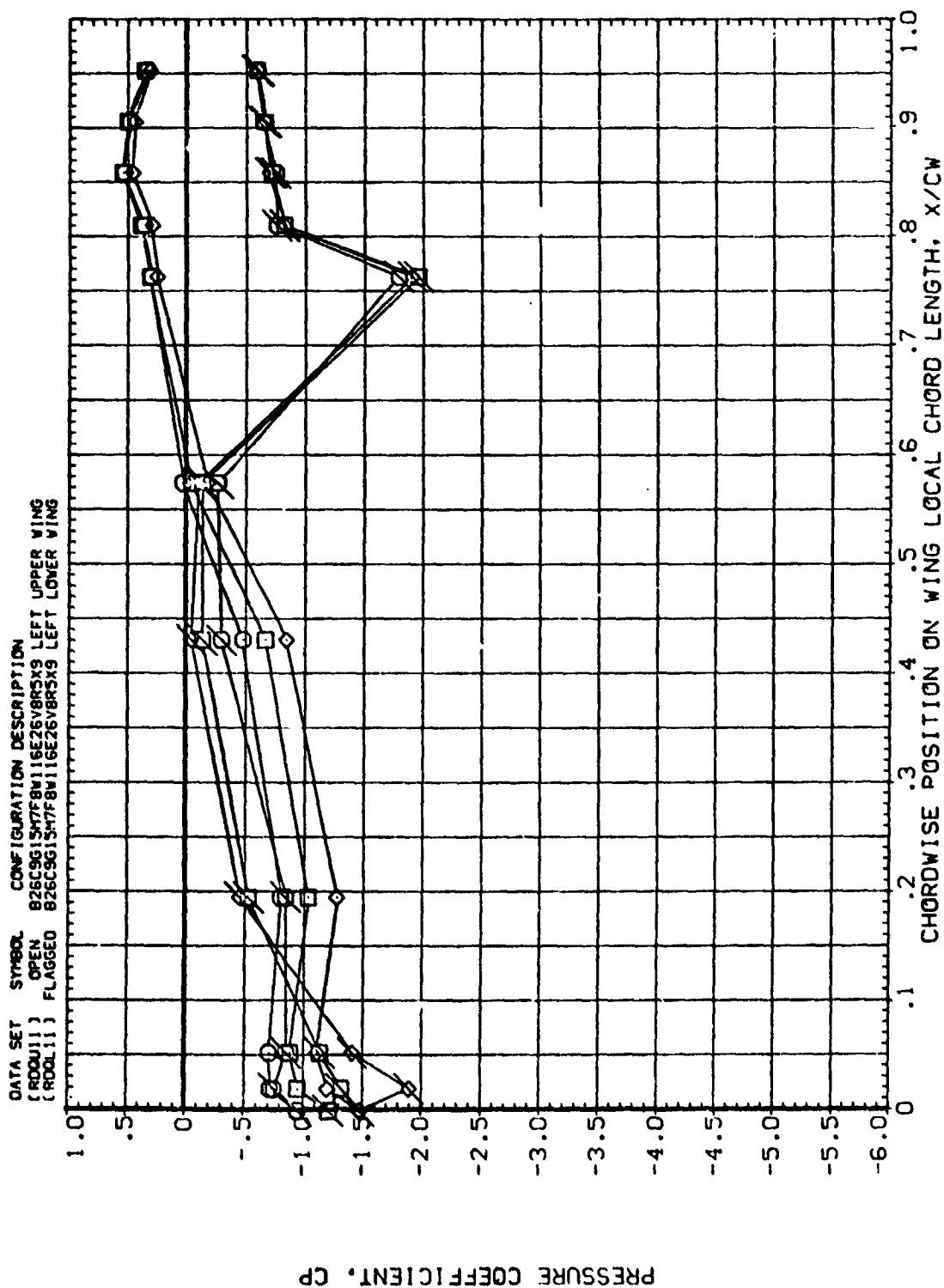


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	-2.97	.534	10.050	ELEVON	-40.000
	.030			80FLAP	-14.250
◇	5.020			BE" A	10.000

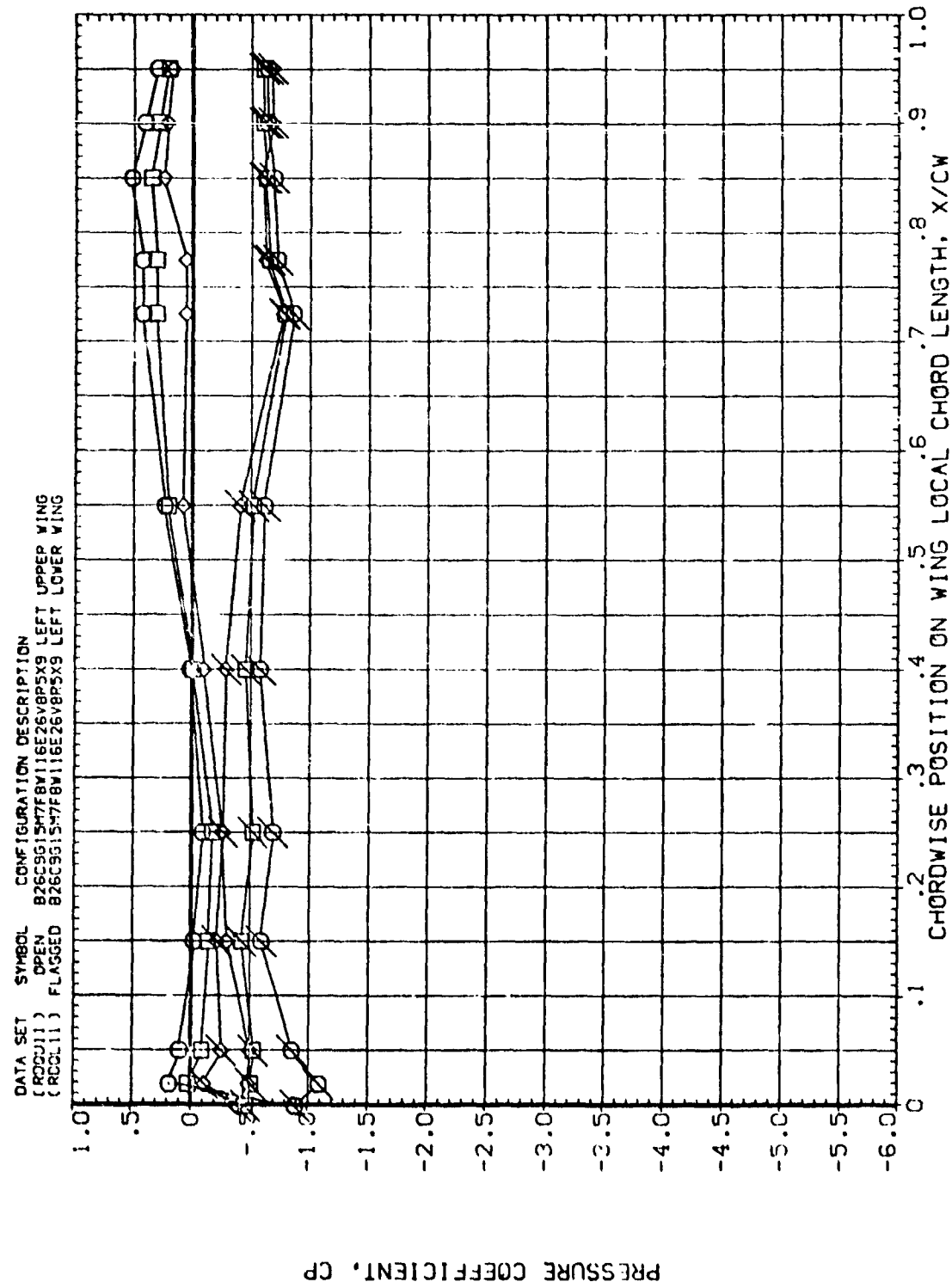


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

PAGE 347

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.534	10.050	80FLAP	-40.000 RUIJTER
□	13.190				-14.250 BETA
◇	16.220				10.000

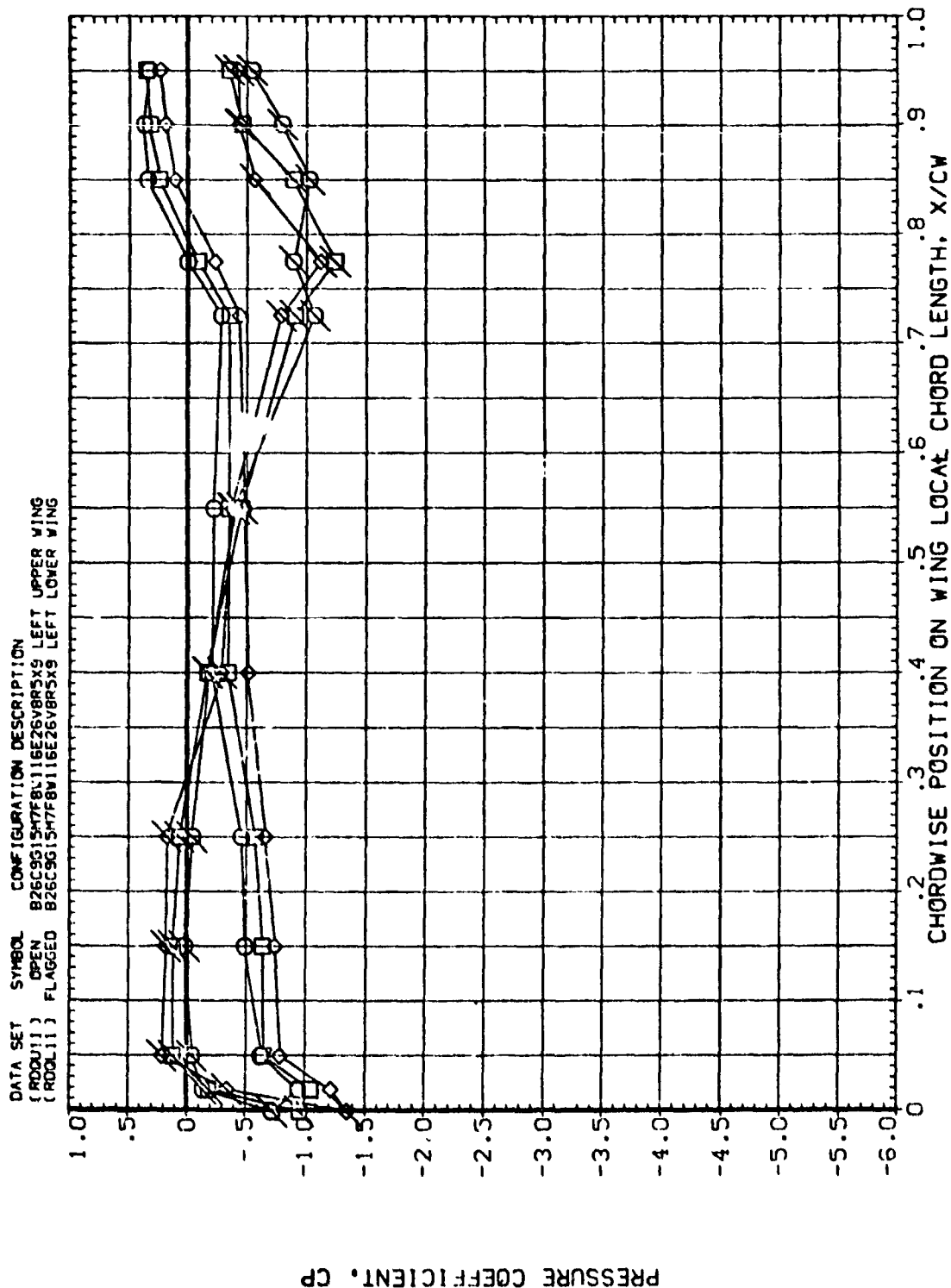


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

C

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
◇	-2.970	.673	10.050	BOFLAP	-40.000
□	.030				PRDCEP
◇	5.020				BETA
					10.000

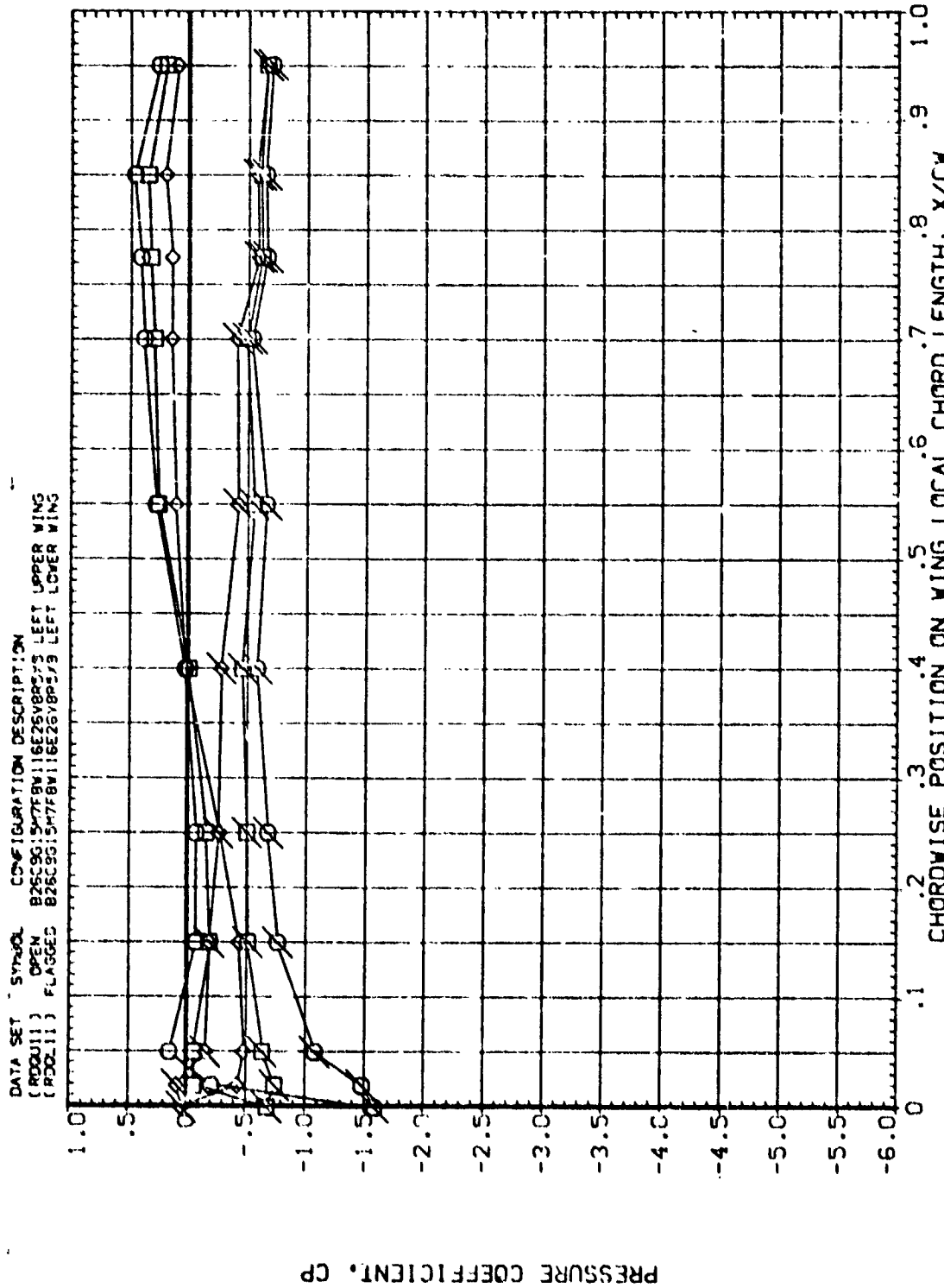


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	V/BW	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
□	10.120	.673	10.050	-40.000		RUDDER
◇	13.190			-14.250		BETA
	16.220					10.000

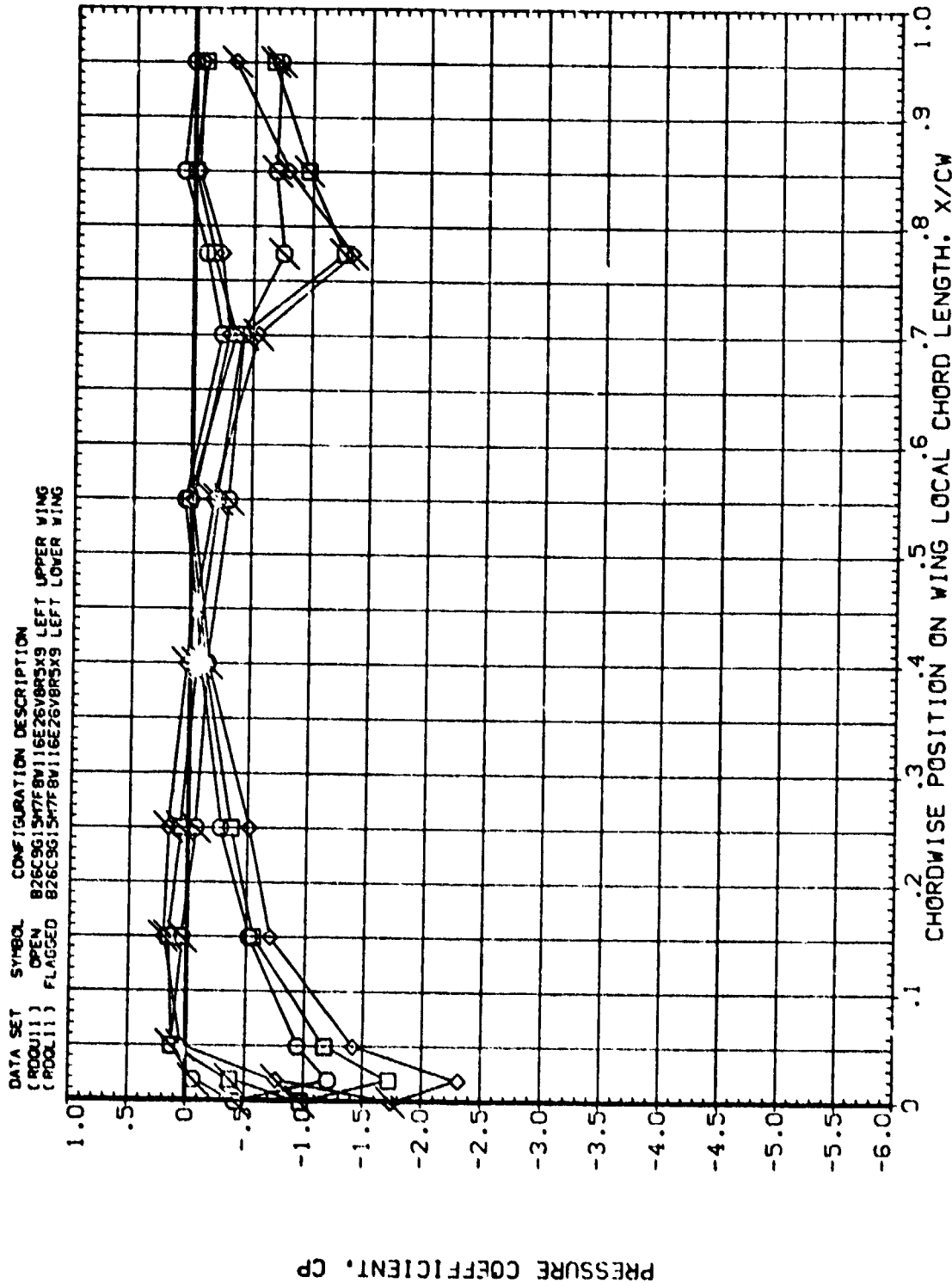


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

SYMBOL ALPHA Y/BV BETA
-2.970 .780 10.050
.030
5.020

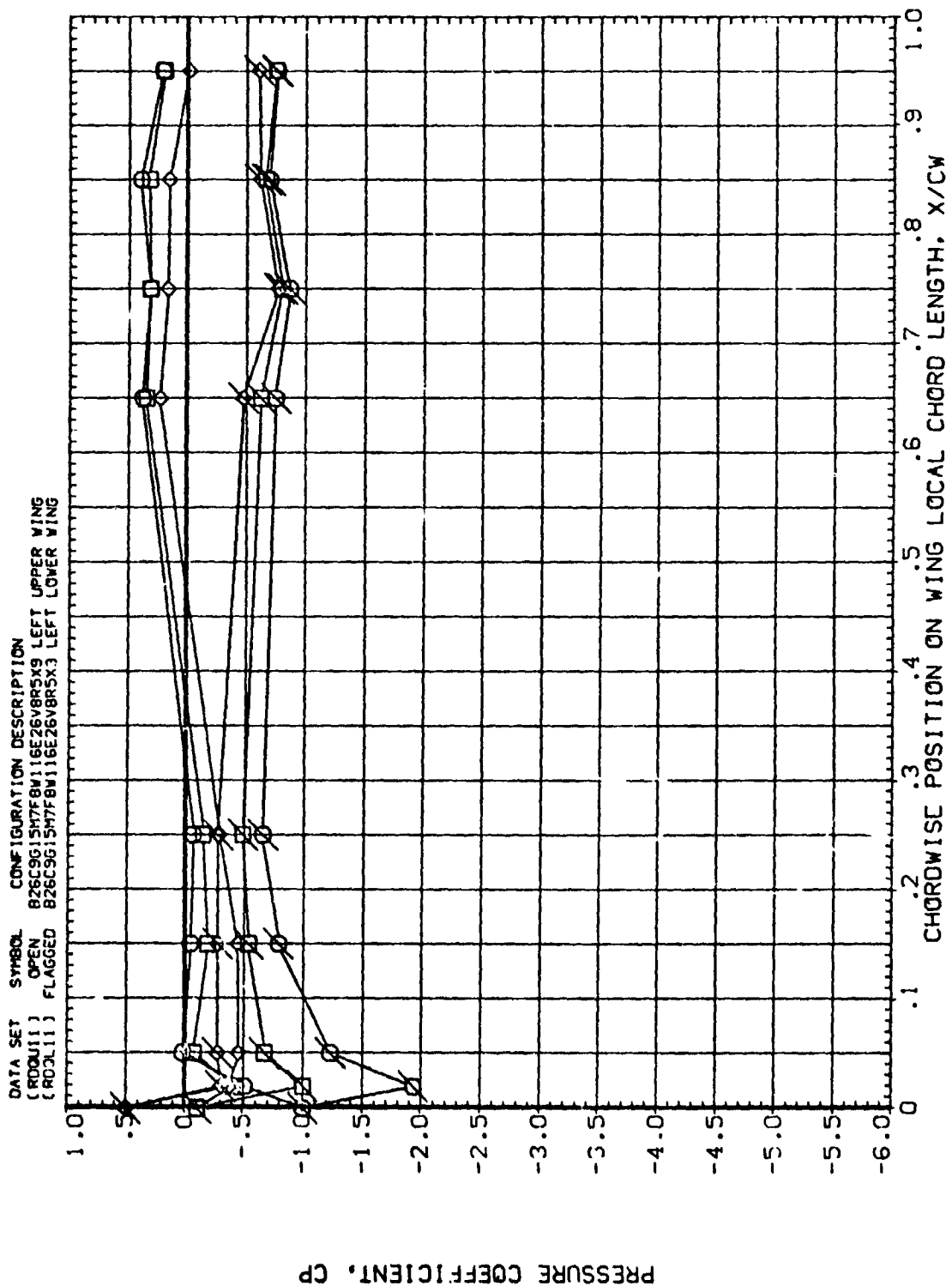


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

SYMBOL ALPHA Y/BW BETA
 10.120 .780 10.050
 13.190
 16.220

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00U11) OPEN B26C5G15H7F8W116E26Y8R5X9 LEFT UPPER WING
 (R00L11) FLAGGED B26C5G15H7F8W116E26Y8R5X9 LEFT LOWER WING

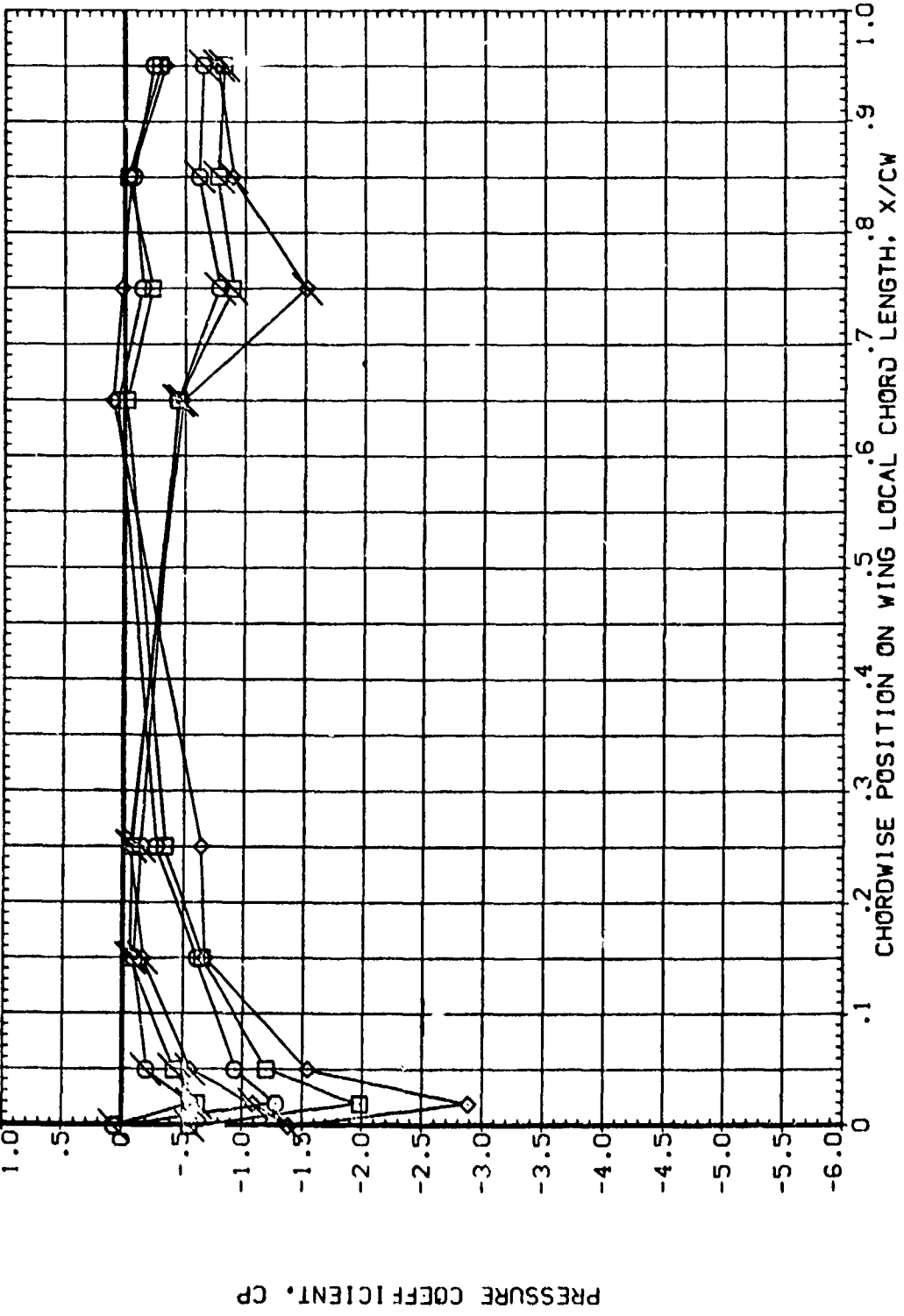


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL

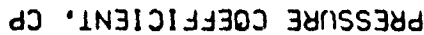


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, $ELEVON = -40$, $BETA = +10$

SYMBOL ALPHA
 10.120
 13.190
 16.220

Y/BW .987 BETA 10.050

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BOFLAP -14.230 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ROQU11) OPEN B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING
 (ROQL11) FLAGGED B26C9G1SH7F8V116E26V8R5X9 LEFT LOWER WING

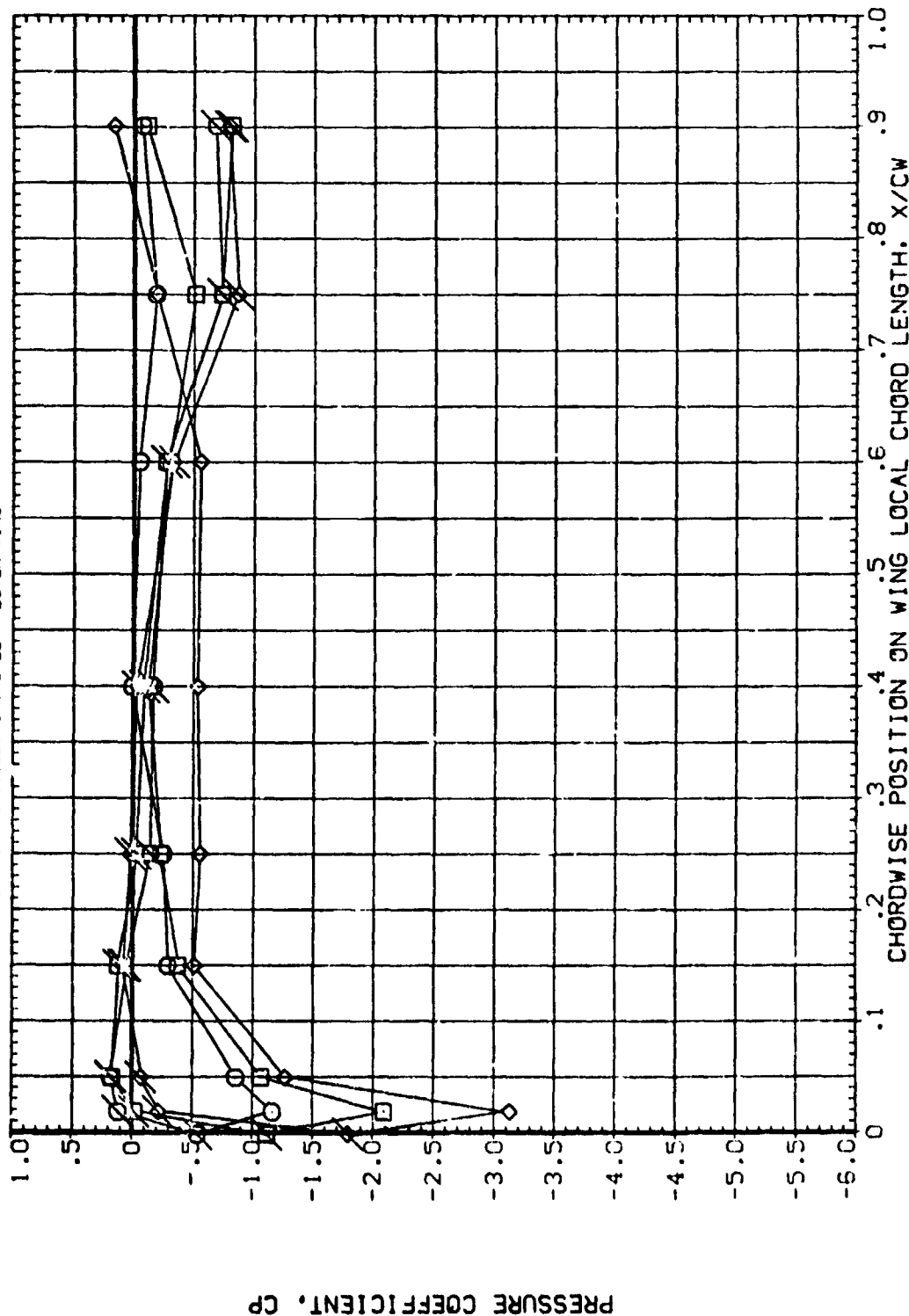


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00003) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (R00015) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (R00012) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (R00005) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (R00015) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (R00012) B2C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING
 (R00015) B2C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

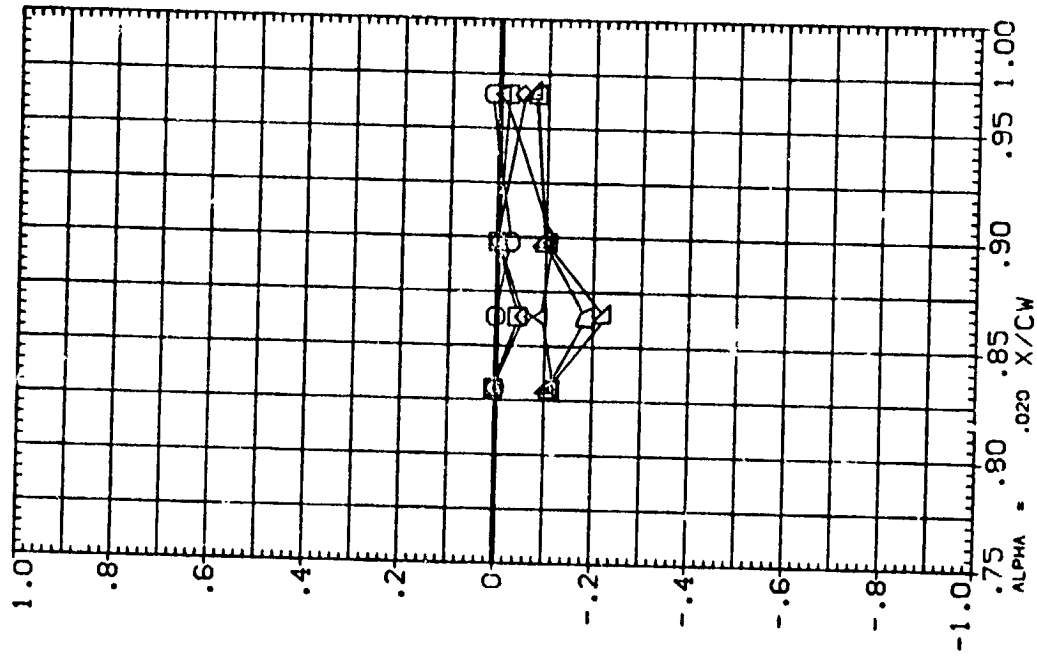
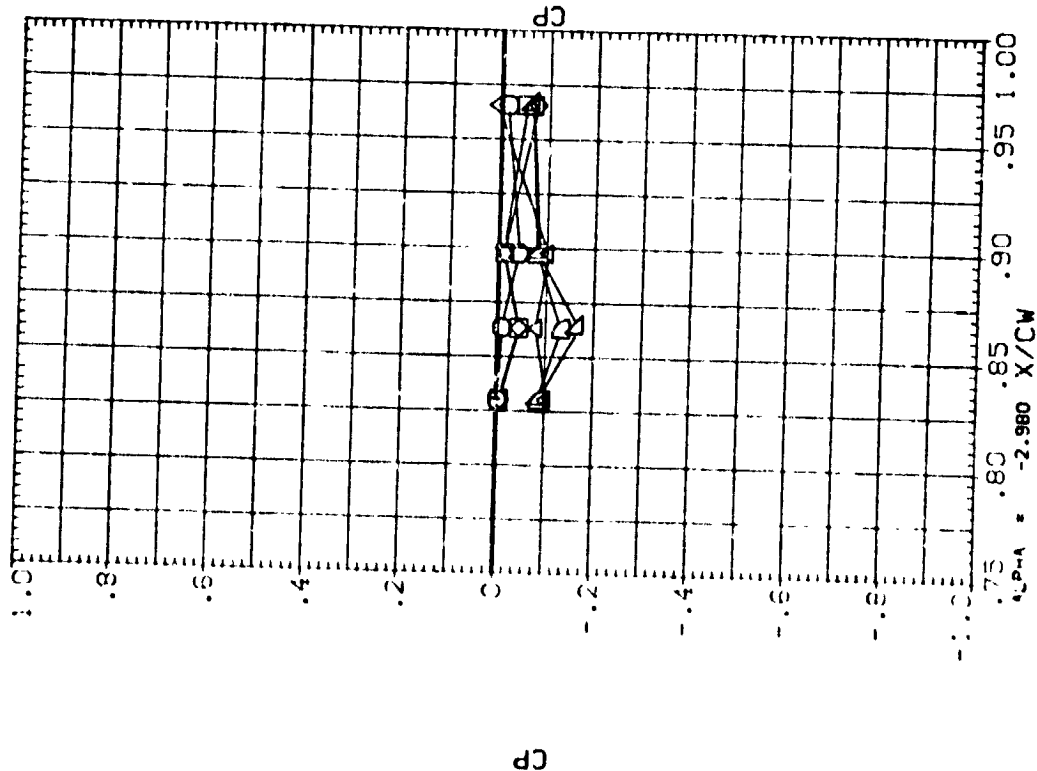


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 SE = -10.060 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00U03)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(R00U15)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-7.500	.000
(R00U12)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-15.000	.000
(R00U05)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(R00U15)	B26C9G1SH7F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-7.533	.000
(R00U12)	B26C9G1SH7F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-15.000	.000

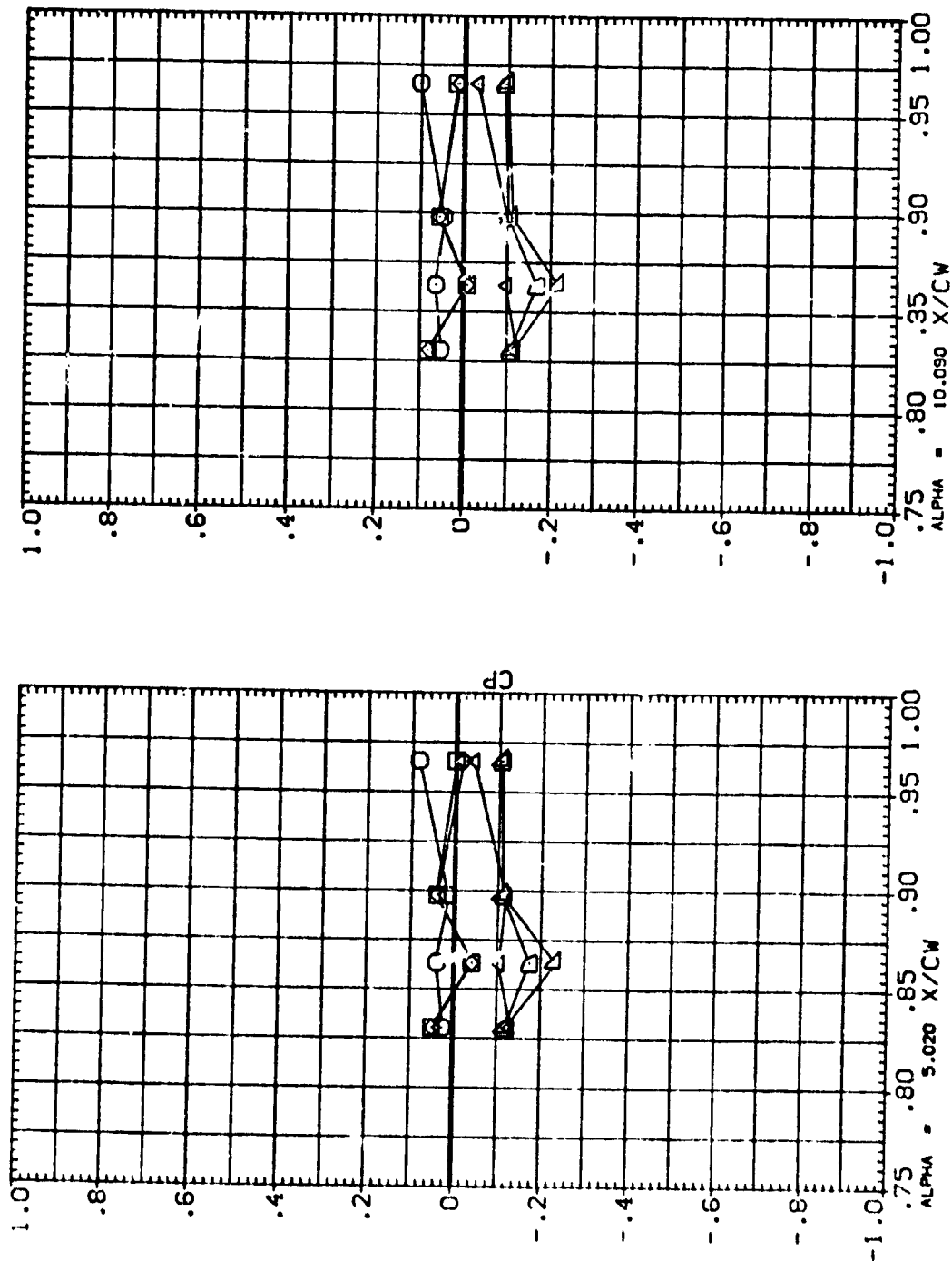


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00003)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(R00015)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	-10.000	-7.500	.000
(R00012)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	-10.000	-15.000	.000
(R00005)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R00015)	B26C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING	-10.000	-7.500	.000
(R00012)	B26C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING	-10.000	-15.000	.000

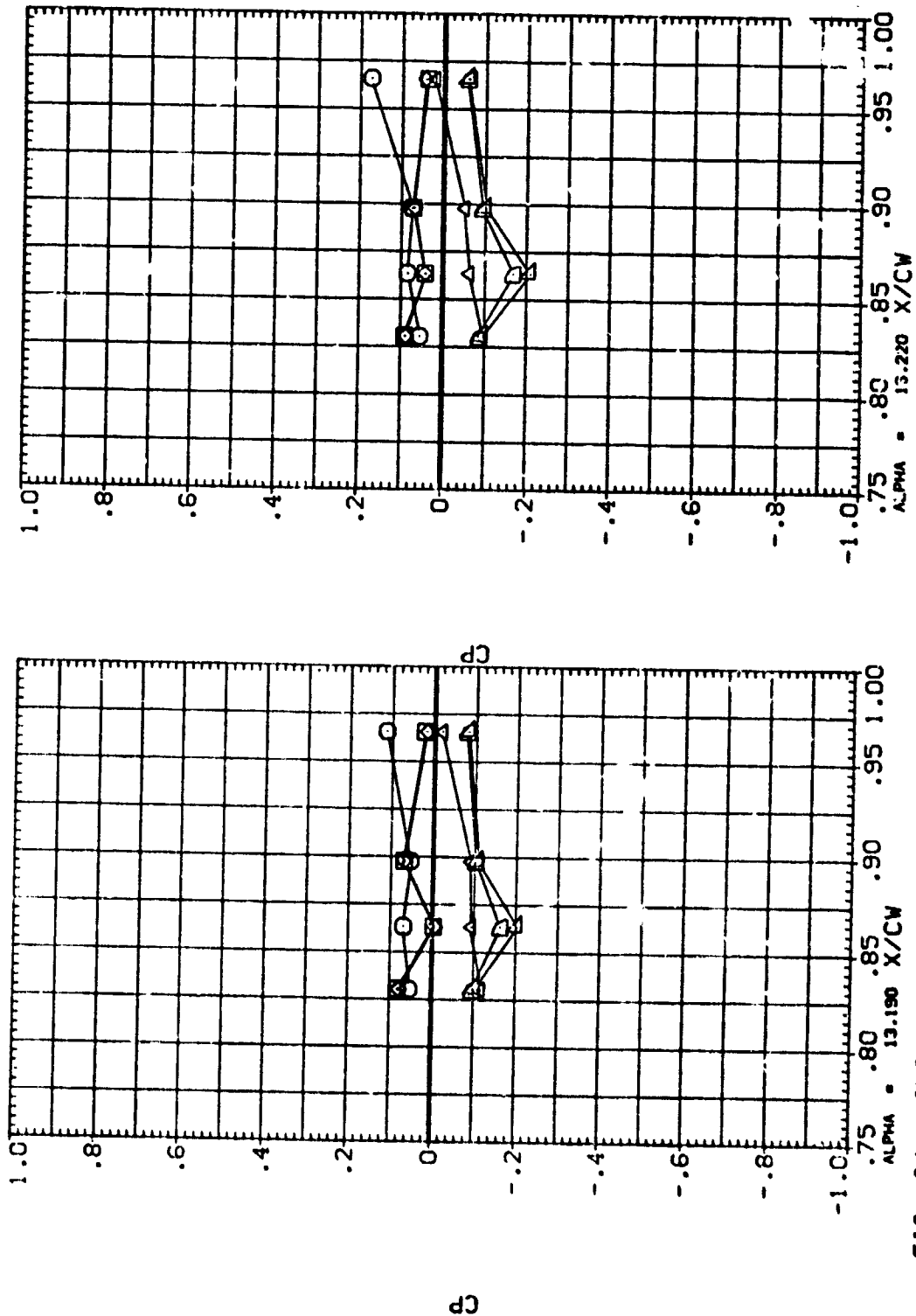


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

$\beta = -10.060$ Y/BW = .299

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

(RCQJ03) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ15) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ12) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ05) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ15) B2C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING
 (RCQJ12) B2C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

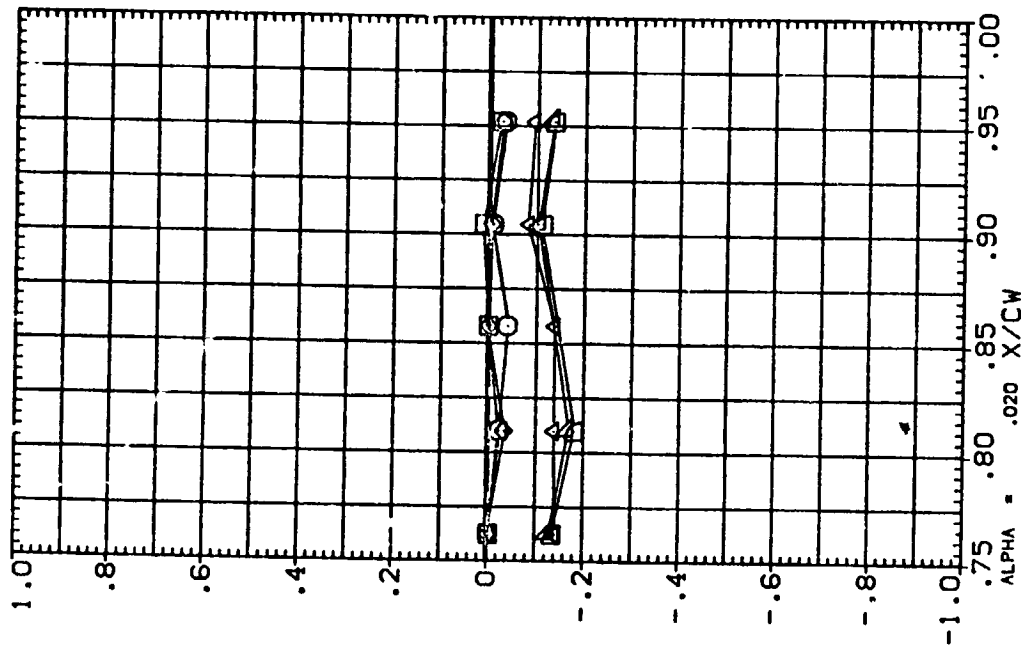
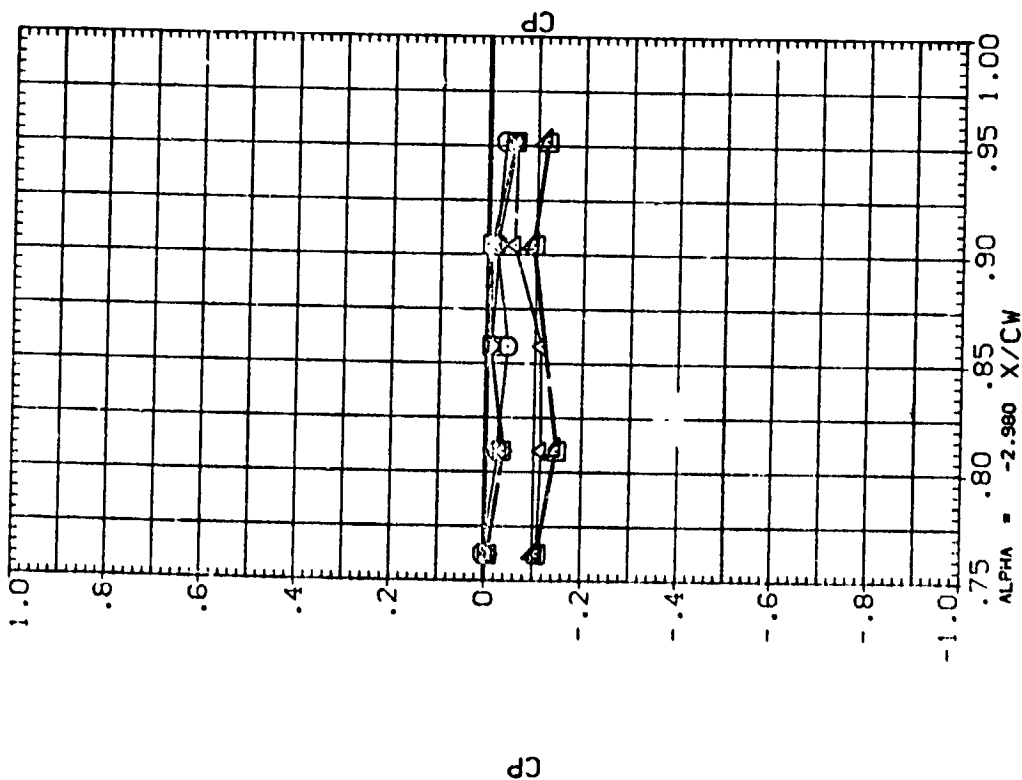


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Y/BW = .405

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(RDCU03)	B26C9G1S47F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(RDCU15)	B26C9G1S47F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-7.500	.000
(RDCU12)	B26C9G1S47F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-15.000	.000
(RDCU05)	B26C9G1S47F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(RDCU15)	B26C9G1S47F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-7.500	.000
(RDCU12)	B26C9G1S47F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-15.000	.000

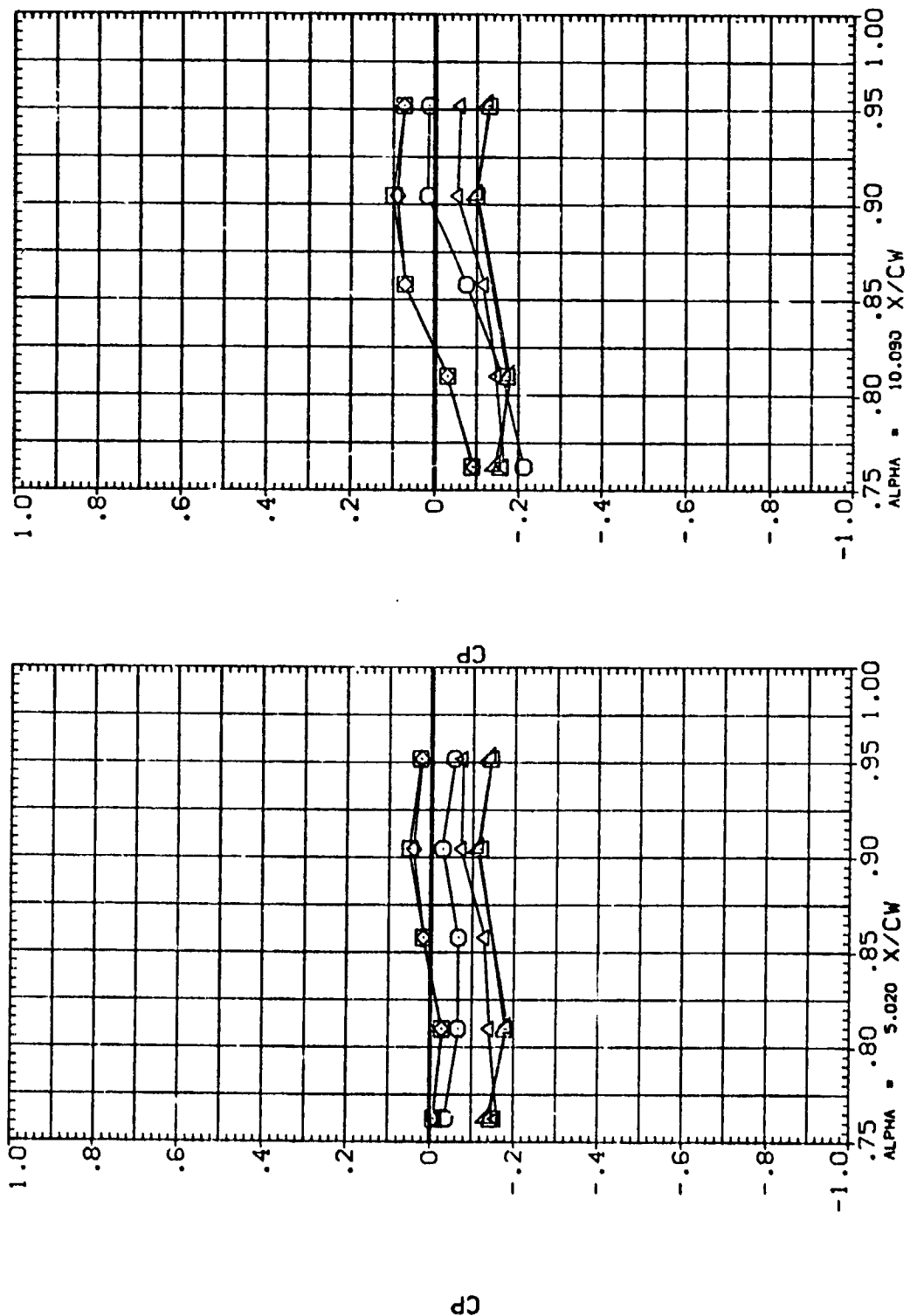


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.000 Y/BW = .405

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

RC0003	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0015	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0012	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0025	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0015	B26C9G15M7F8W11E26V8PSX9	RIGHT UPPER WING
RC0012	B26C9G15M7F8W11E26V8PSX9	RIGHT UPPER WING

BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

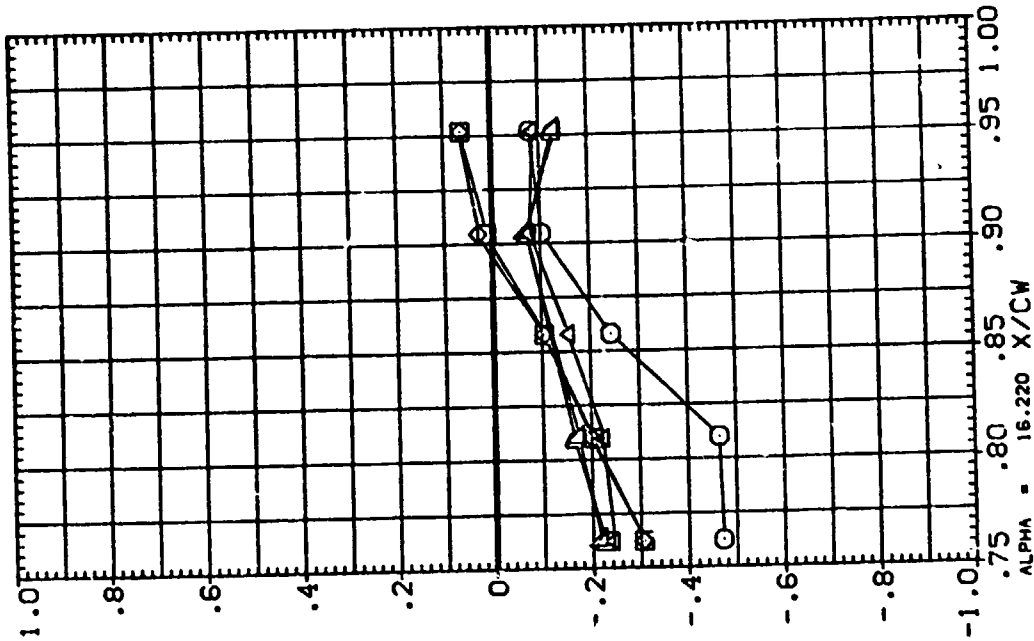
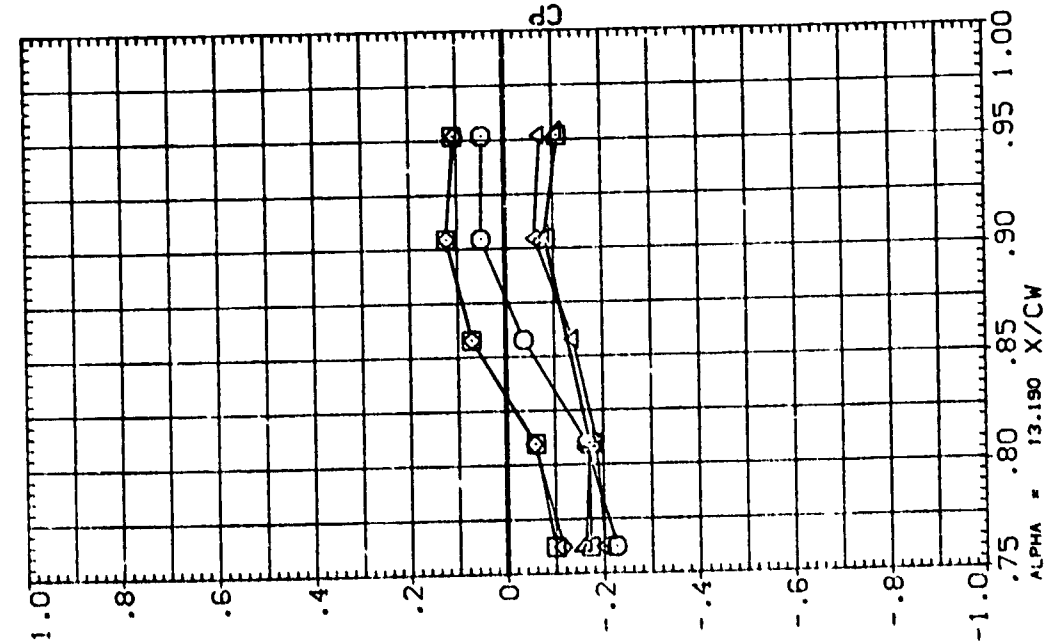
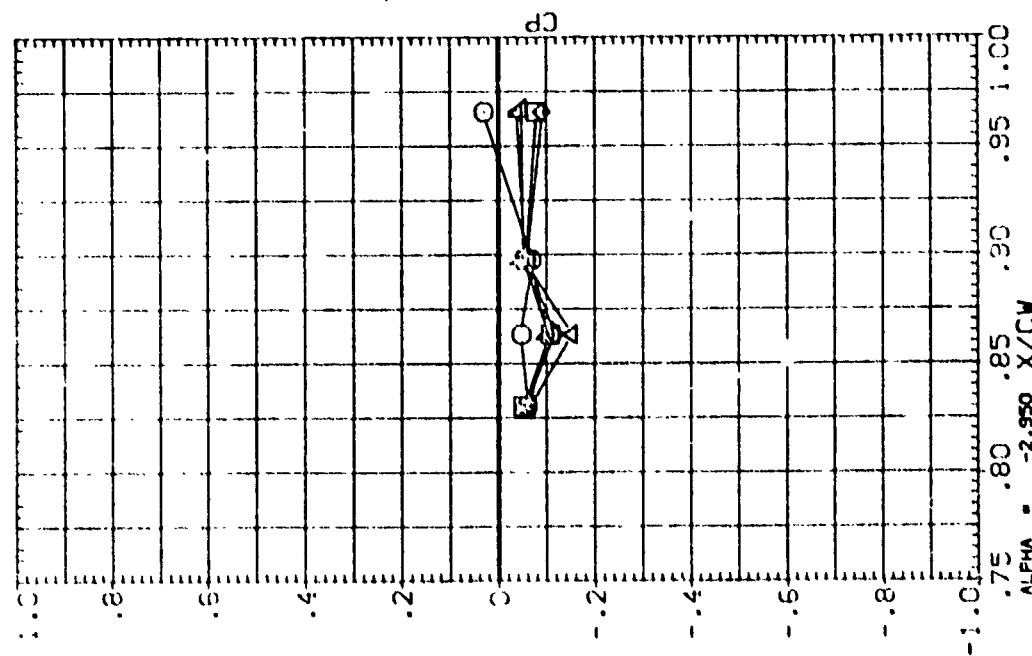
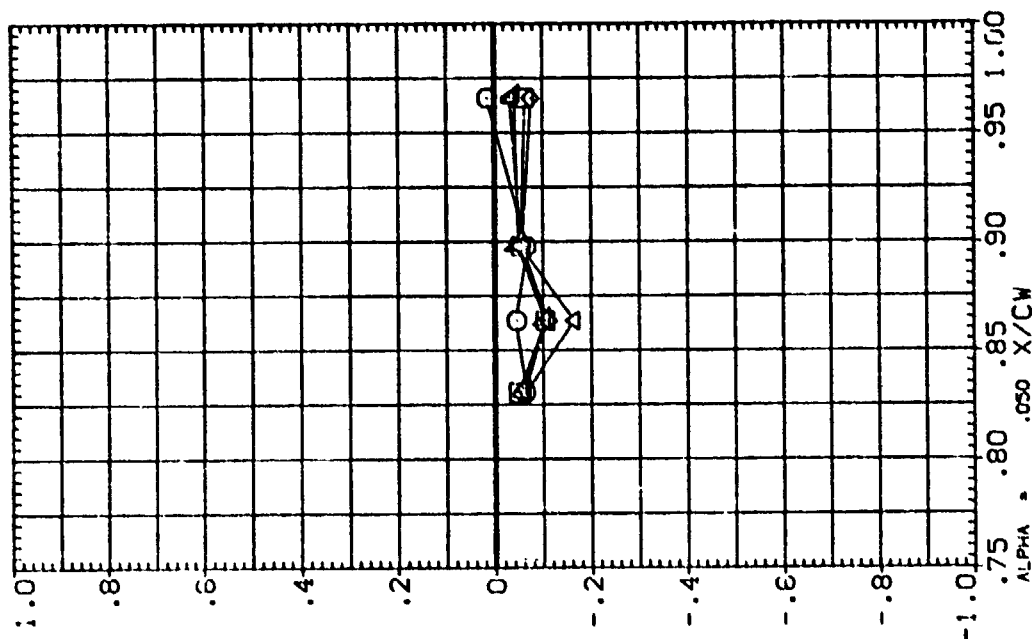


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Y/BW = .405

TCRAS .35 V.C.



E.G. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = 0$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

(RDC4) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC16) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC13) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC16) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC13) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING

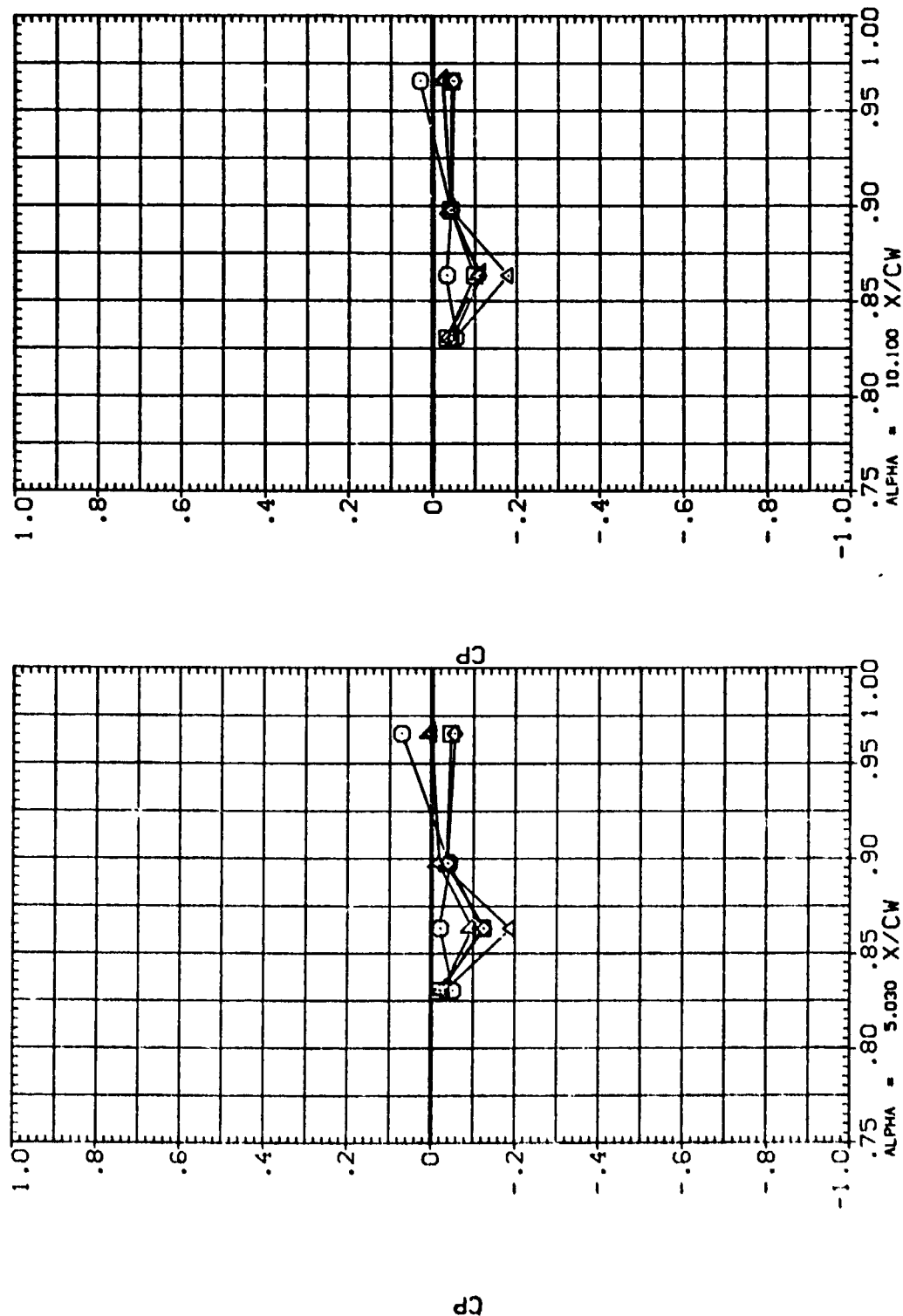


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

SE-A = -.010 Y/BW = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

(PCQJ24) B26C9G15H7F8W116E26V8R5X9 LEFT UPPER WING
 (RDQJ16) B26C9G15H7F8W116E26V8R5X9 LEFT UPPER WING
 (RDQJ13) B26C9G15H7F8W116E26V8R5X9 LEFT UPPER WING
 (RDQJ16) B26C9G15H7F8W116E26V8R5X9 RIGHT UPPER WING
 (RDQJ13) B26C9G15H7F8W116E26V8R5X9 RIGHT UPPER WING

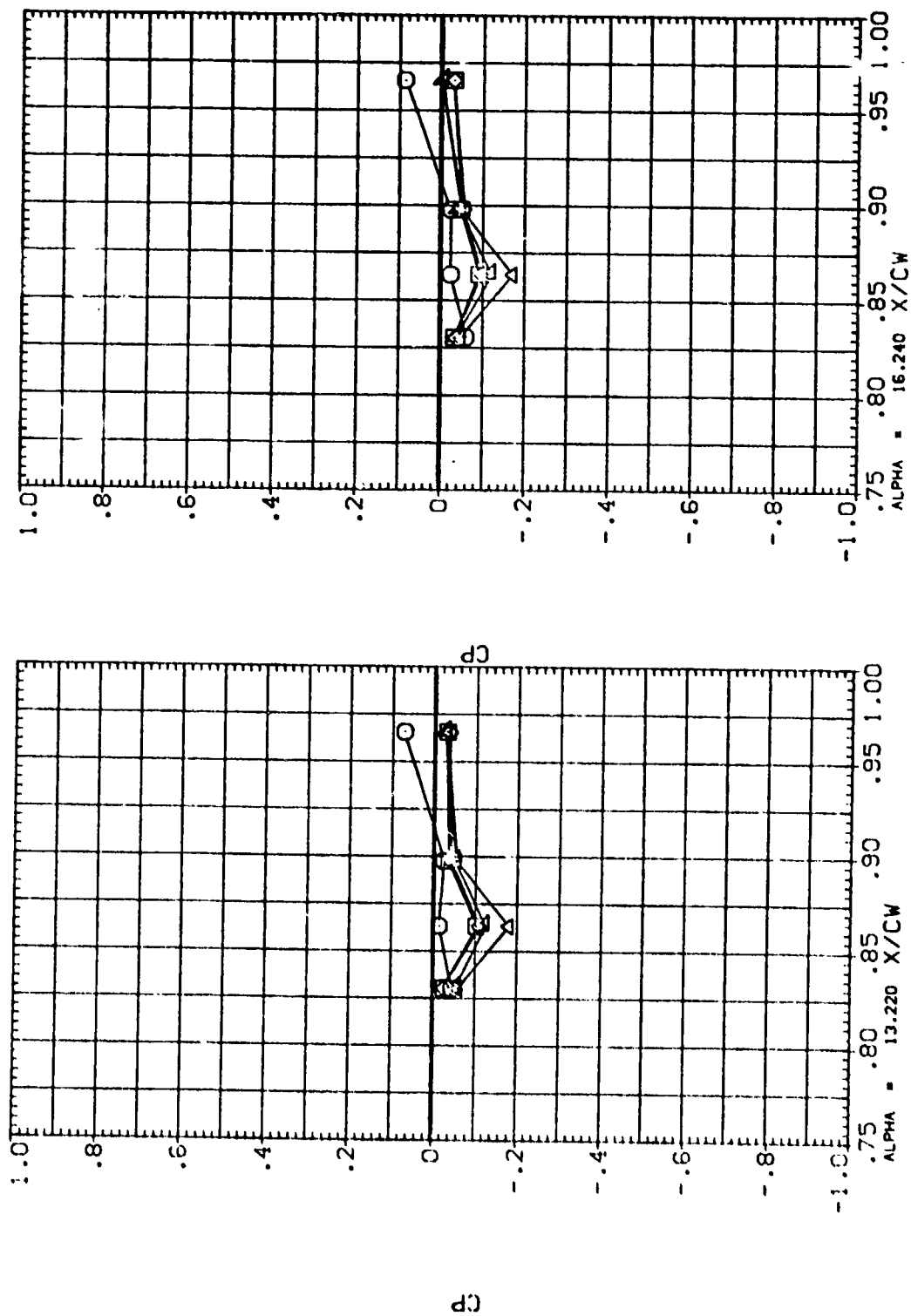


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 $\gamma/\beta = .299$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R0CJ04)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ05)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ06)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ07)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ08)	B26C9G15H7F8W116E26V8R5X9	RIGHT UPPER WING
(R0CJ09)	B26C9G15H7F8W116E26V8R5X9	RIGHT UPPER WING

BETA RUDDER ELEVON

.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

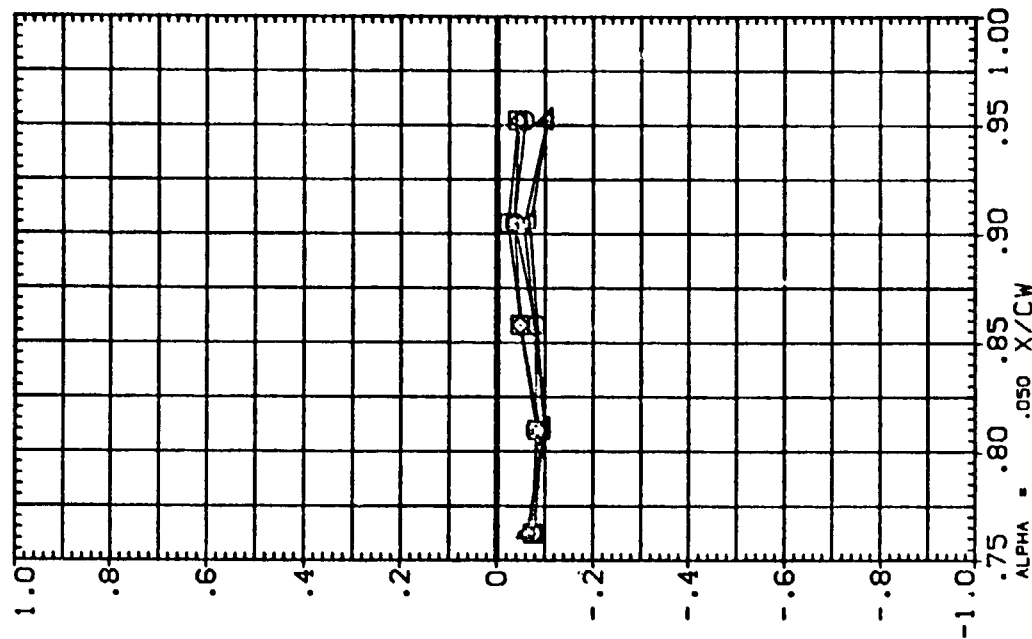
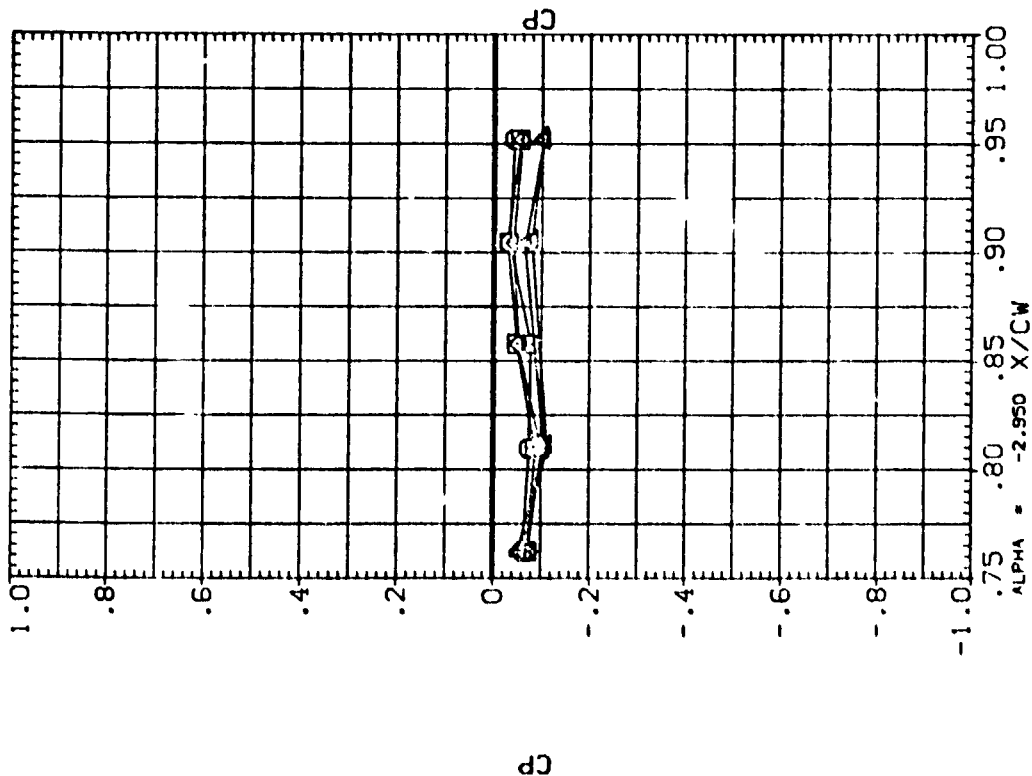


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Y/BW = .405

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

B26C9G15M7F8W116E26V8PSX9 LEFT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 LEFT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 LEFT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 RIGHT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 RIGHT UPPER WING

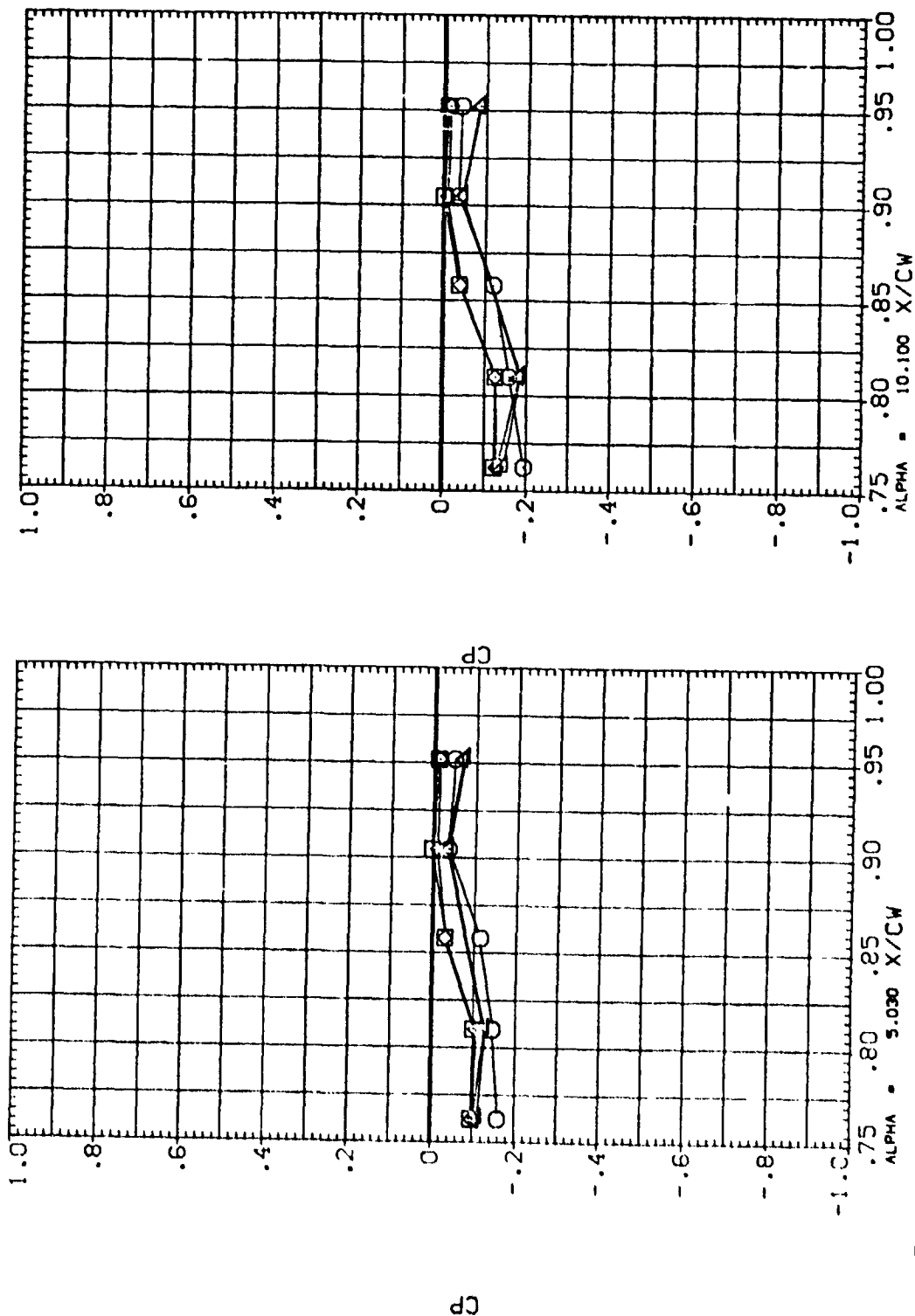


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Y/BW = .405

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00U04) B26C9G1SH7F8W11SE26V8R5X9 LEFT UPPER WING
 (R00U16) B26C9G1SH7F8W11SE26V8R5X9 LEFT UPPER WING
 (R00U13) B26C9G1SH7F8W11SE26V8R5X9 LEFT UPPER WING
 (R00U16) B26C9G1SH7F8W11SE26V8R5X9 RIGHT UPPER WING
 (R00U13) B26C9G1SH7F8W11SE26V8R5X9 RIGHT UPPER WING

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

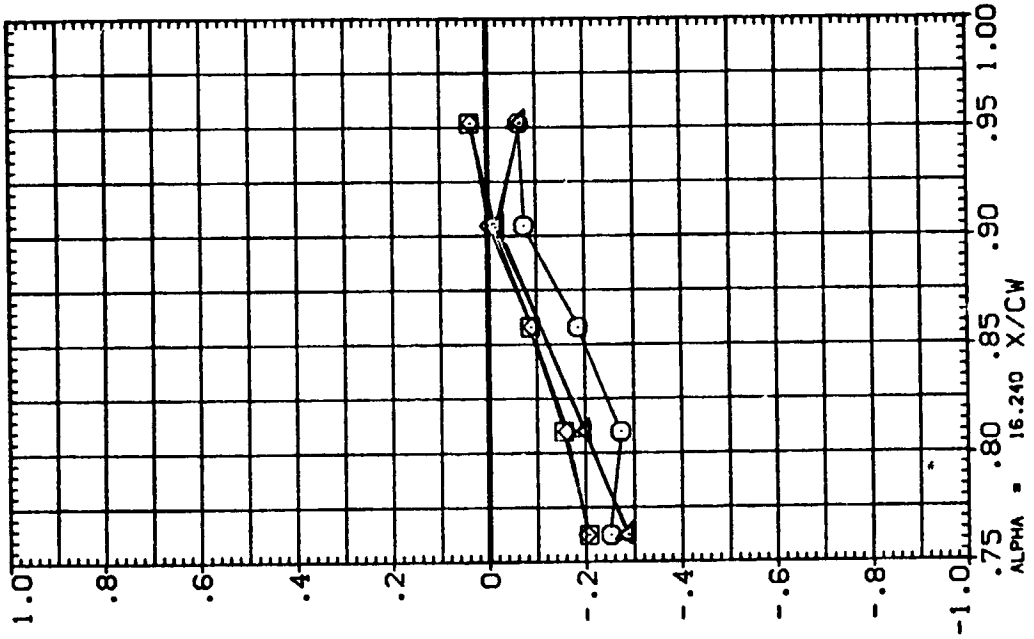
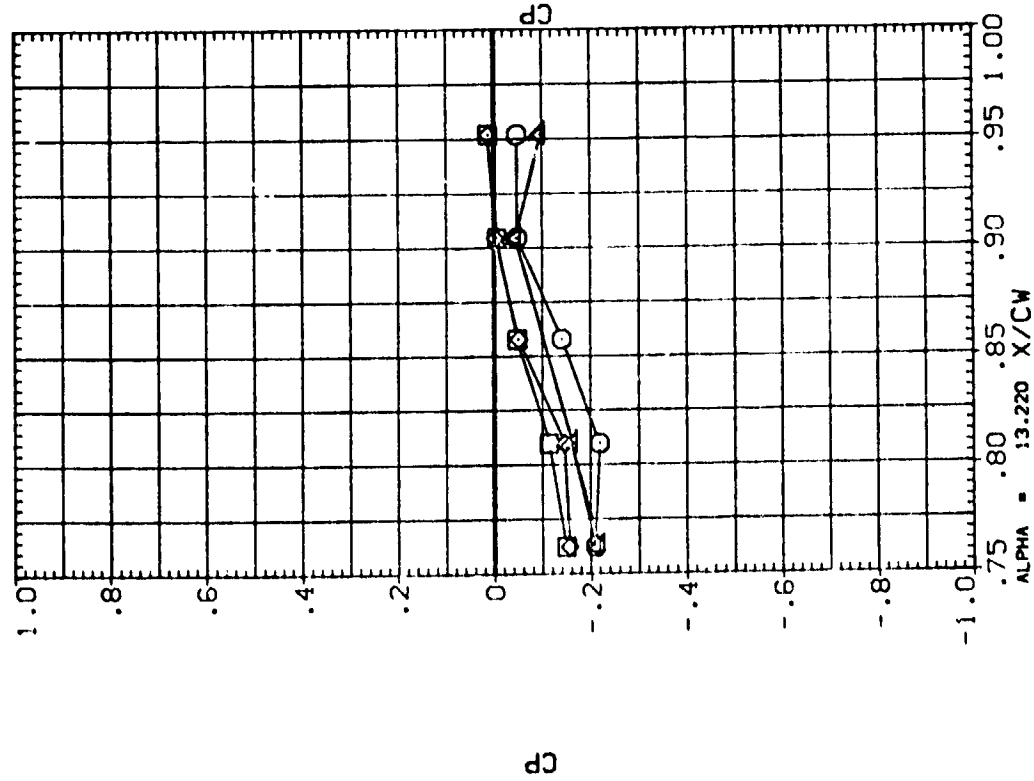


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = 0$

$\beta = -0.010$ $Y/BW = .405$

DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA RUDDER ELEVON

(R00J05) B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING 10.000 .000

(R00J17) B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING 10.000 .000

(R00J14) B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING 10.000 .000

(R00J03) B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING 10.000 .000

(R00J17) B26C9G1SM7F8W116E26V8R5X9 RIGHT UPPER WING 10.000 .000

(R00J14) B26C9G1SM7F8W116E26V8R5X9 RIGHT UPPER WING 10.000 .000

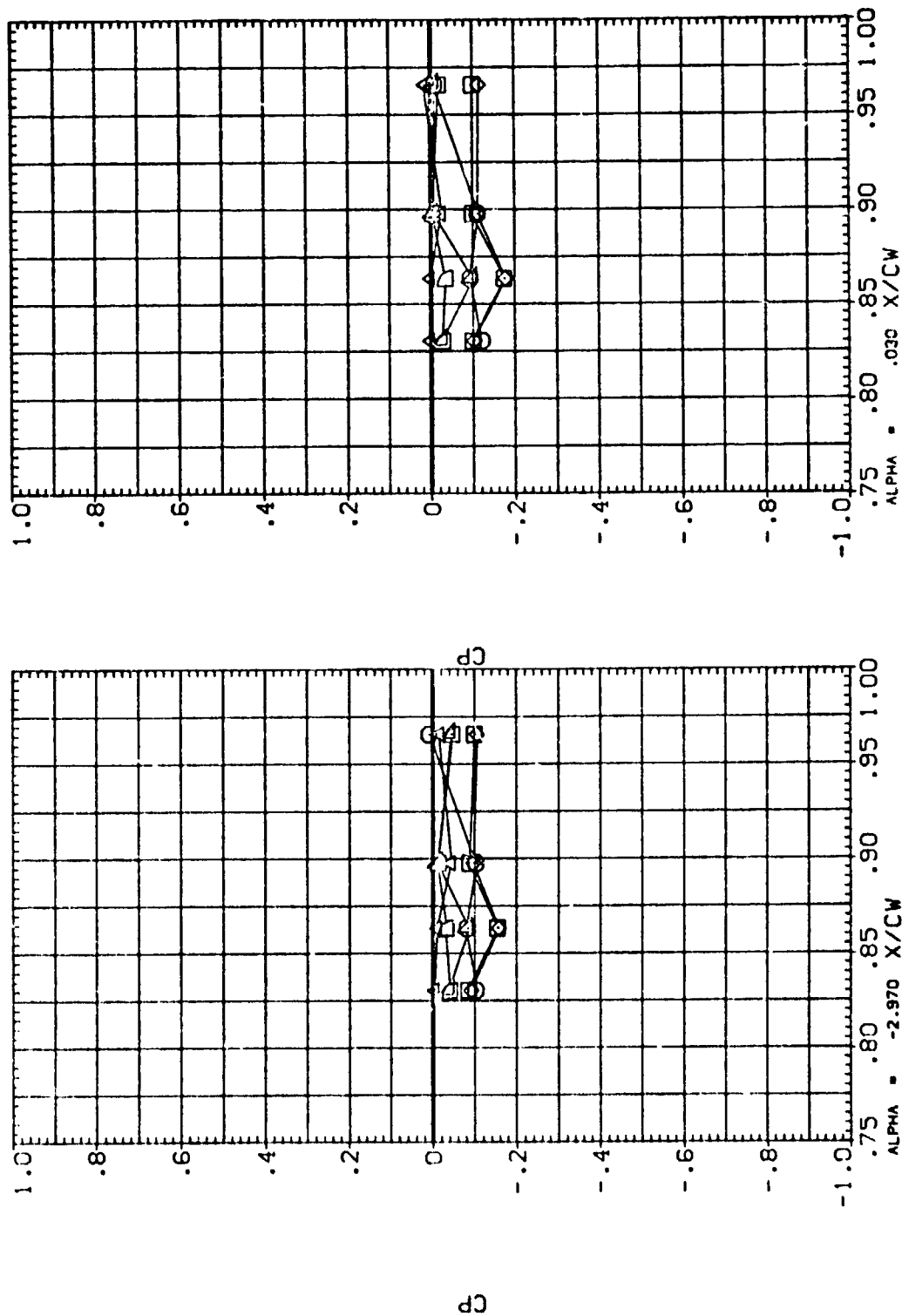


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Y/BW = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00Q05)	B26C9G15M7F8V116E26V8R5X9	LEFT UPPER WING
(R00U17)	B26C9G15M7F8V116E26V8R5X9	LEFT UPPER WING
(R00U14)	B26C9G15M7F8V116E26V8R5X9	LEFT UPPER WING
(R00Q03)	B26C9G15M7F8V116E26V8R5X9	LEFT UPPER WING
(R00M17)	B26C9G15M7F8V116E26V8R5X9	RIGHT UPPER WING
(R00M14)	B26C9G15M7F8V116E26V8R5X9	RIGHT UPPER WING

BETA RUDDER ELEVON

10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
10.000	-15.000	.000

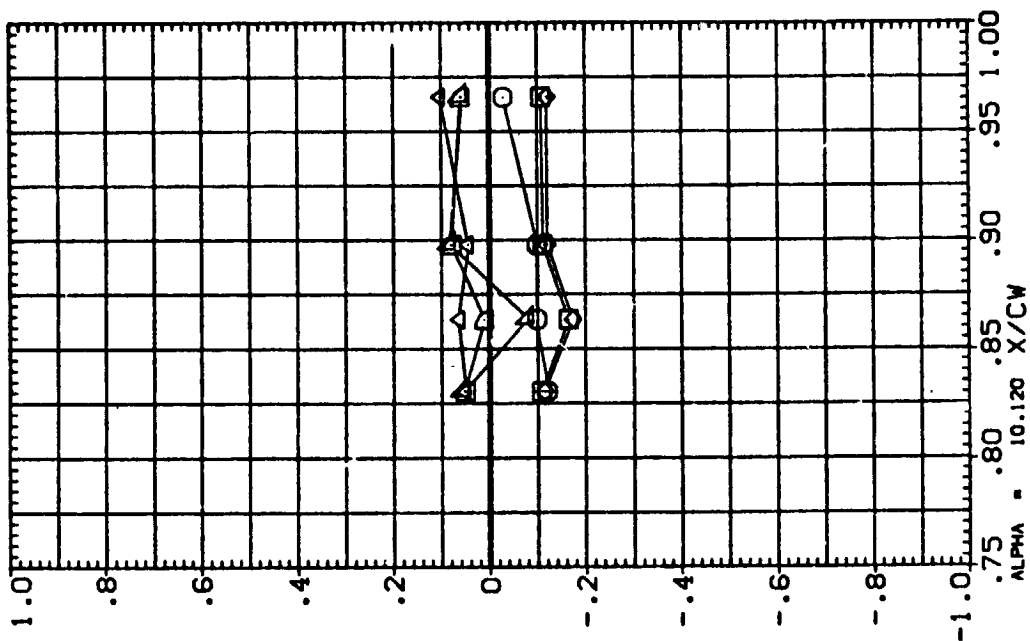
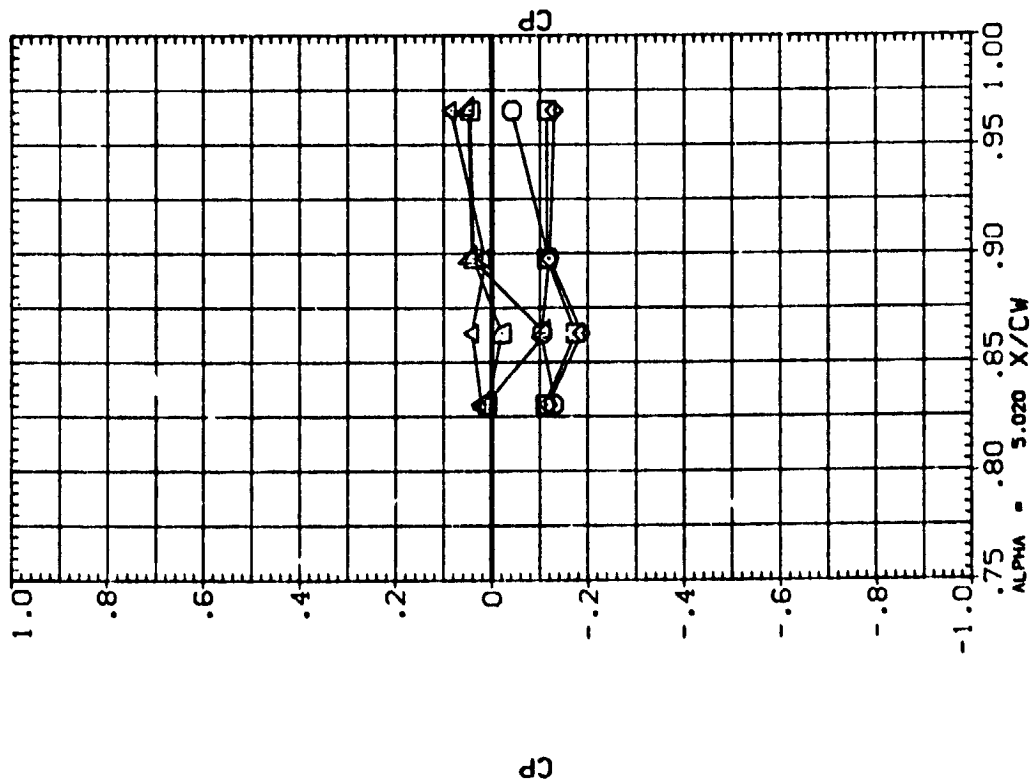


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 10

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00U05)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R00U17)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	-7.500	.000
(R00U14)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	-5.000	.000
(R00U03)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R00U17)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	10.000	-7.500	.000
(R00U14)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	10.000	-15.000	.000

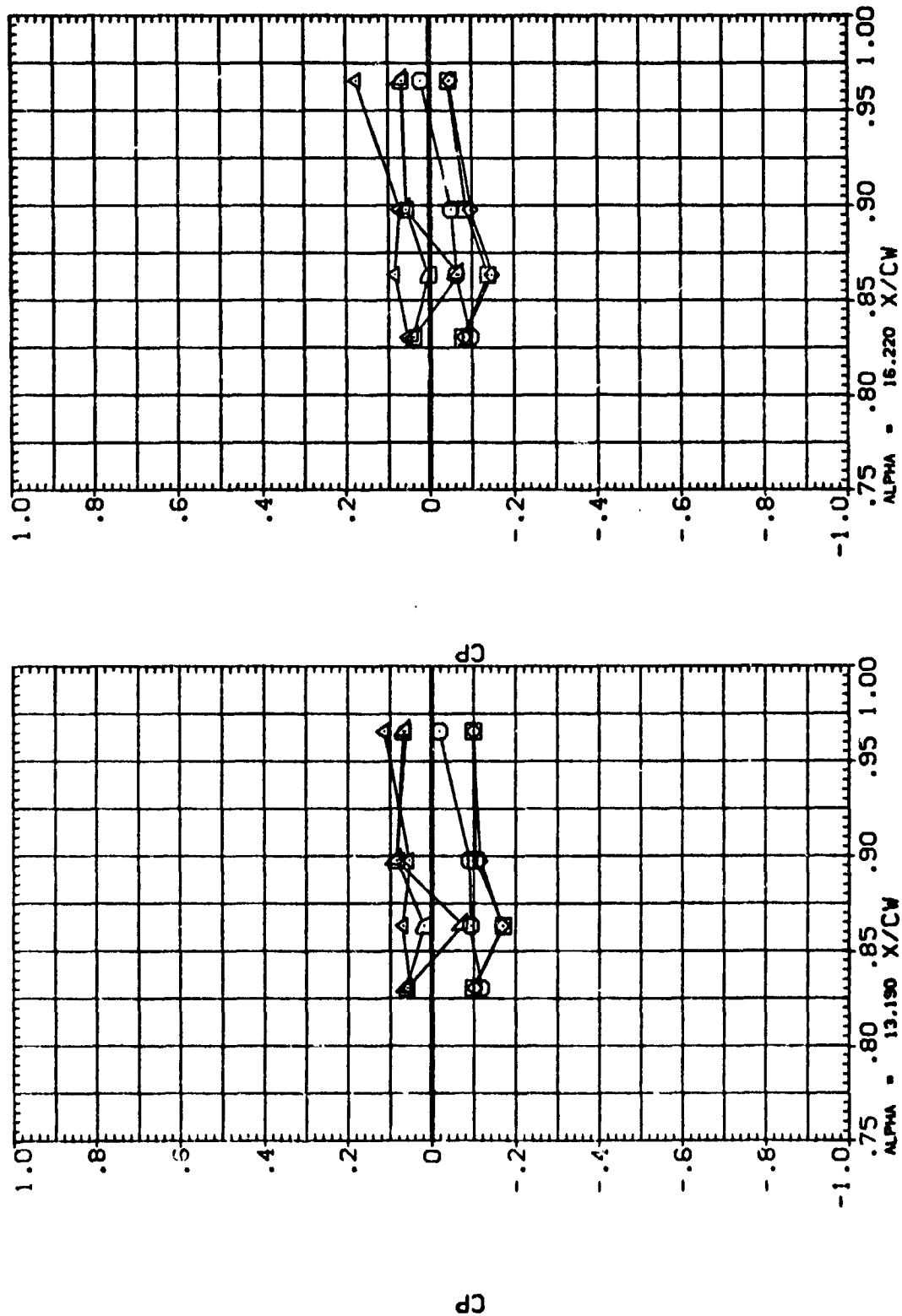
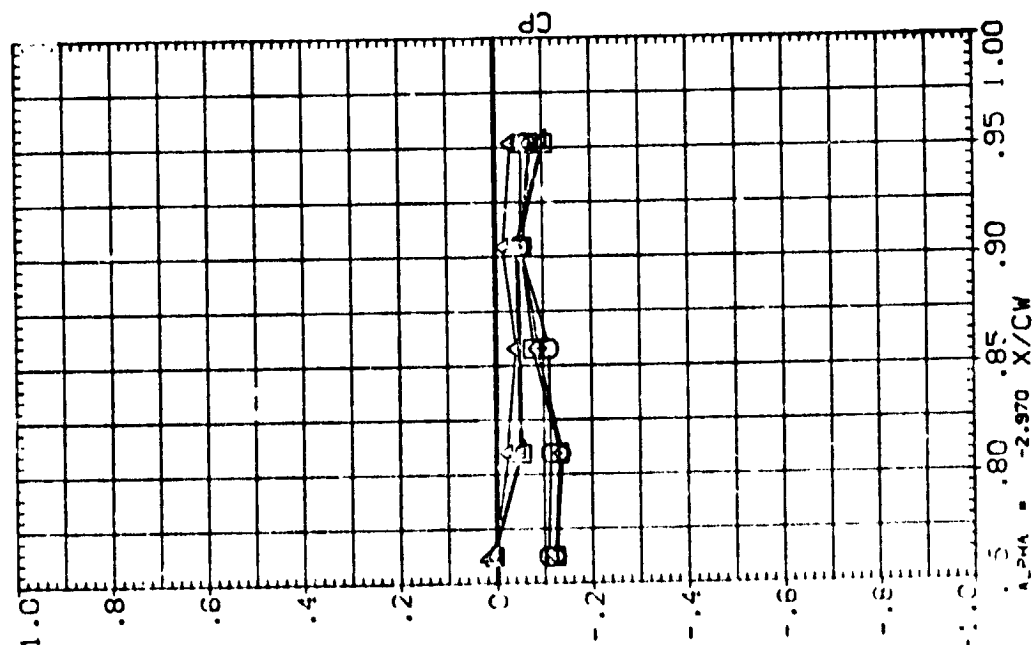
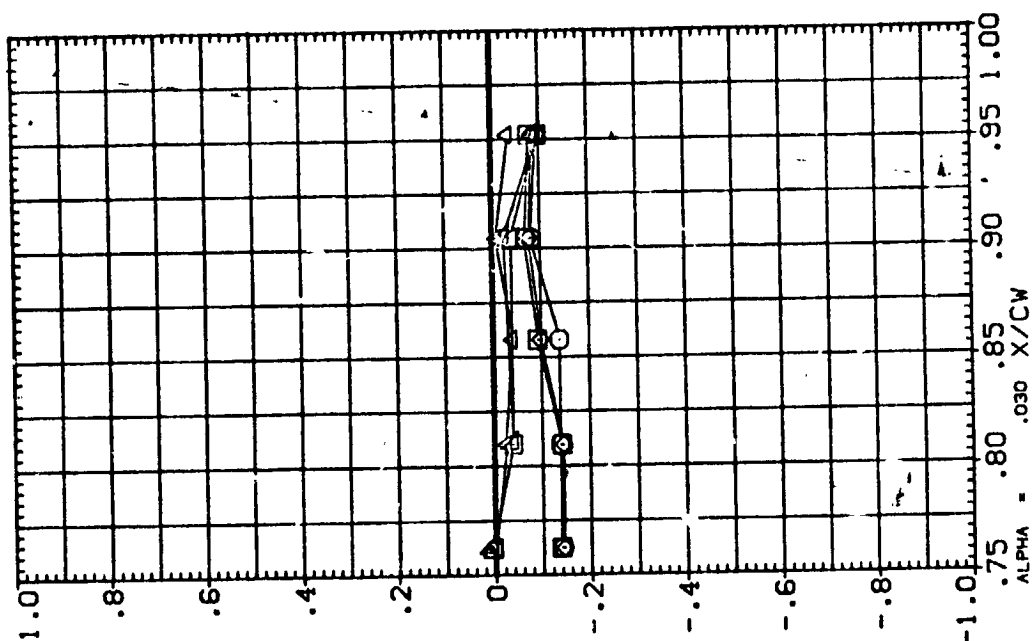


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
B26C3G1	S17F8U1	162Z6V8R5X9 LEFT UPPER WING
B26C3G2	S17F8U2	162Z6V8R5X9 LEFT UPPER WING
B26C3G3	S17F8U3	162Z6V8R5X9 LEFT UPPER WING
B26C3G4	S17F8U4	162Z6V8R5X9 LEFT UPPER WING
B26C3G5	S17F8U5	162Z6V8R5X9 LEFT UPPER WING
B26C3G6	S17F8U6	162Z6V8R5X9 LEFT UPPER WING
B26C3G7	S17F8U7	162Z6V8R5X9 LEFT UPPER WING
B26C3G8	S17F8U8	162Z6V8R5X9 LEFT UPPER WING
B26C3G9	S17F8U9	162Z6V8R5X9 LEFT UPPER WING
B26C3G0	S17F8U0	162Z6V8R5X9 LEFT UPPER WING



33 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = 10$

PAGE 370

$$SE = 0.050 \quad v/BW = .405$$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

WING

WING	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING

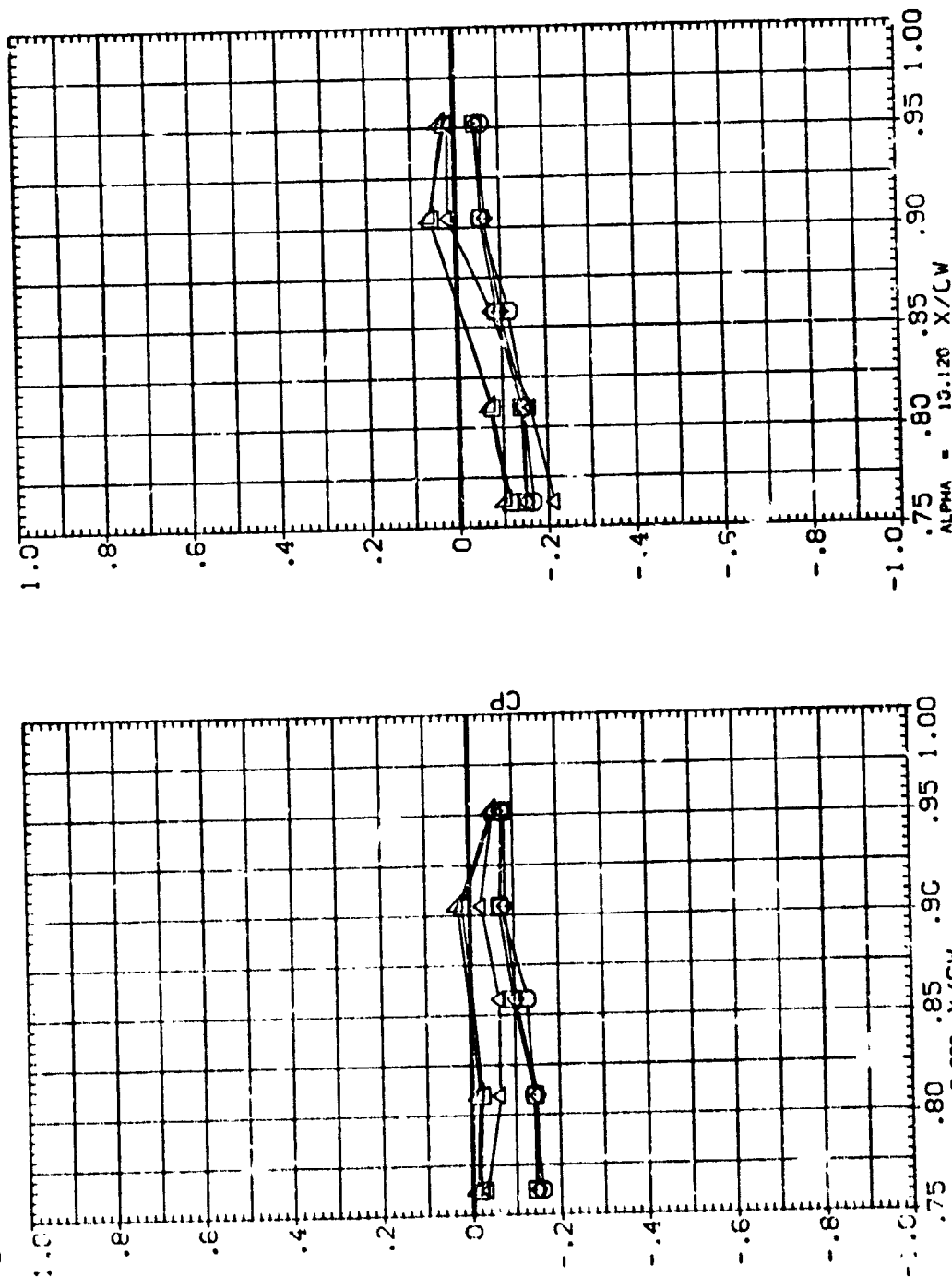


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

DATA SET SYMBOL
(R00U05)
(R00U17)
(R00U14)
(R00U03)
(R00U17)
(R00U14)

CONFIGURATION DESCRIPTION
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 RIGHT UPPER WING
B26C9615H7F8W116E23V8R5X9 RIGHT UPPER WING

BETA
10.000
10.000
10.000
10.000
10.000
10.000

RUDDER
.000
-7.500
-15.000
.000
-7.500
-15.000

ELEVON
.000
.000
.000
.000
.000
.000

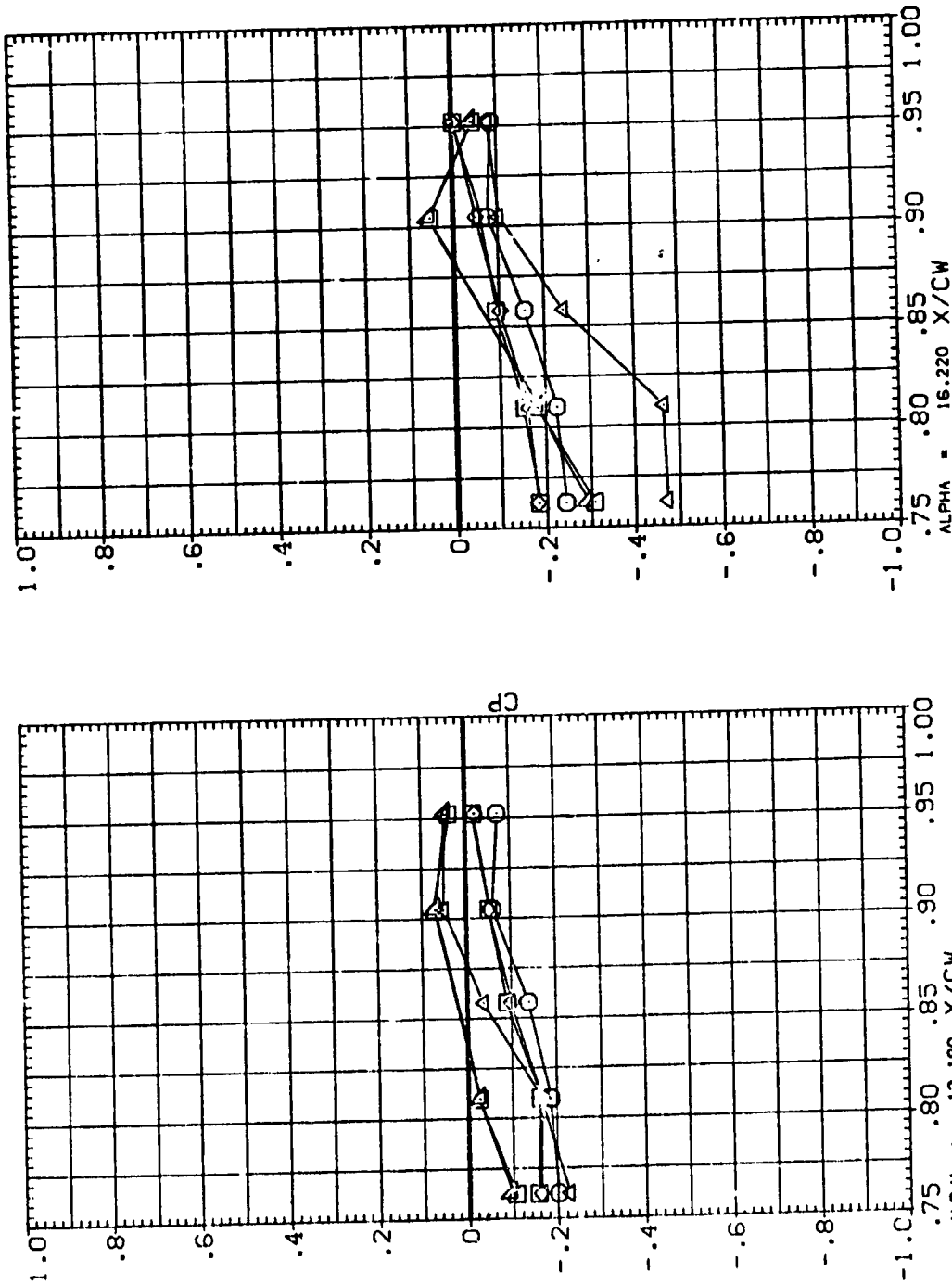


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Y/BW = .405

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R26V03)	B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL	-10.000	.000	.000
(R26V15)	B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL	-10.000	-7.500	.000
(R26V12)	B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL	-10.000	-15.000	.000
(R26V05)	B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL	10.000	.000	.000
(R26R15)	B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL	-10.000	-7.500	.000
(R26R12)	B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL	-10.000	-15.000	.000

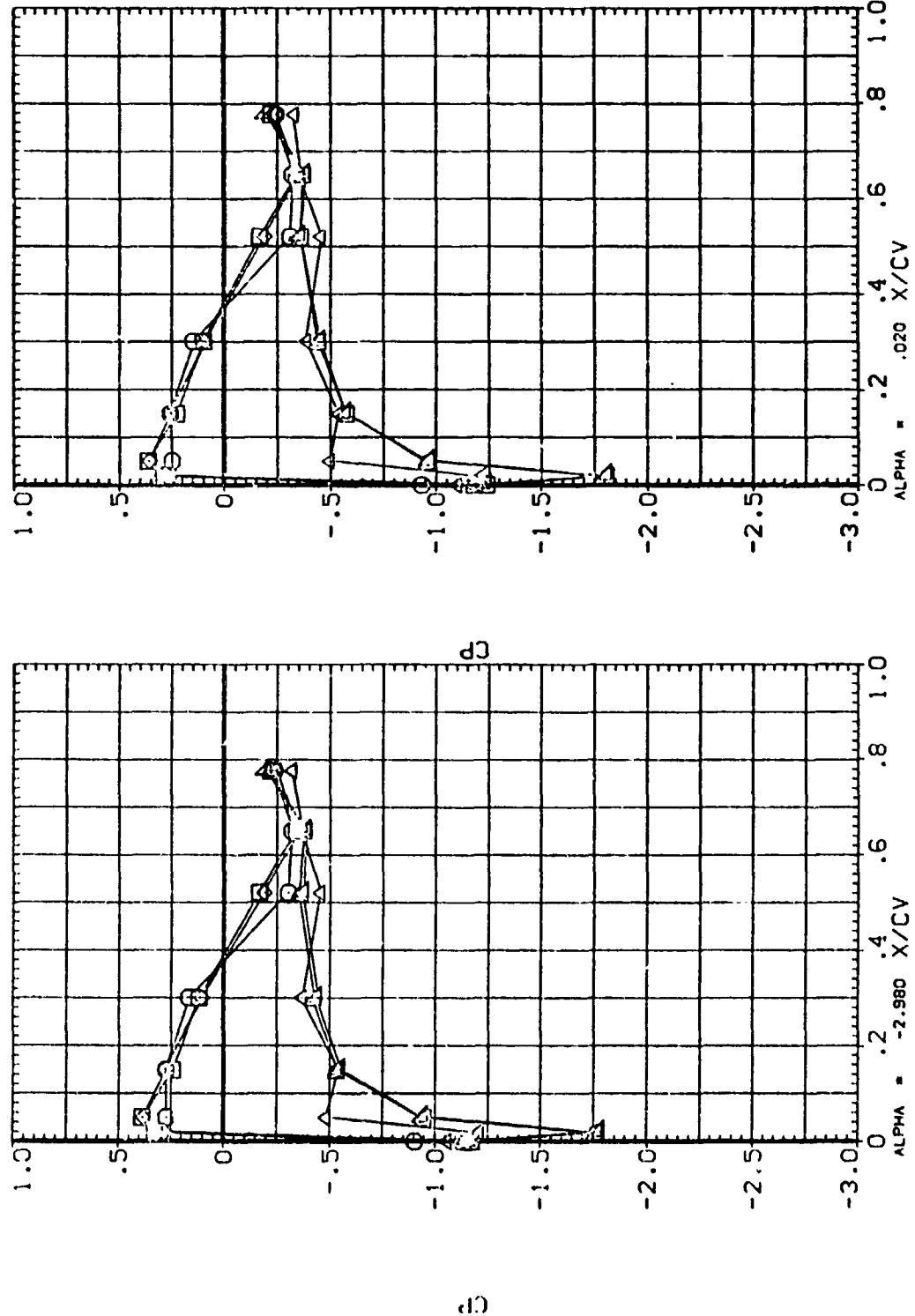


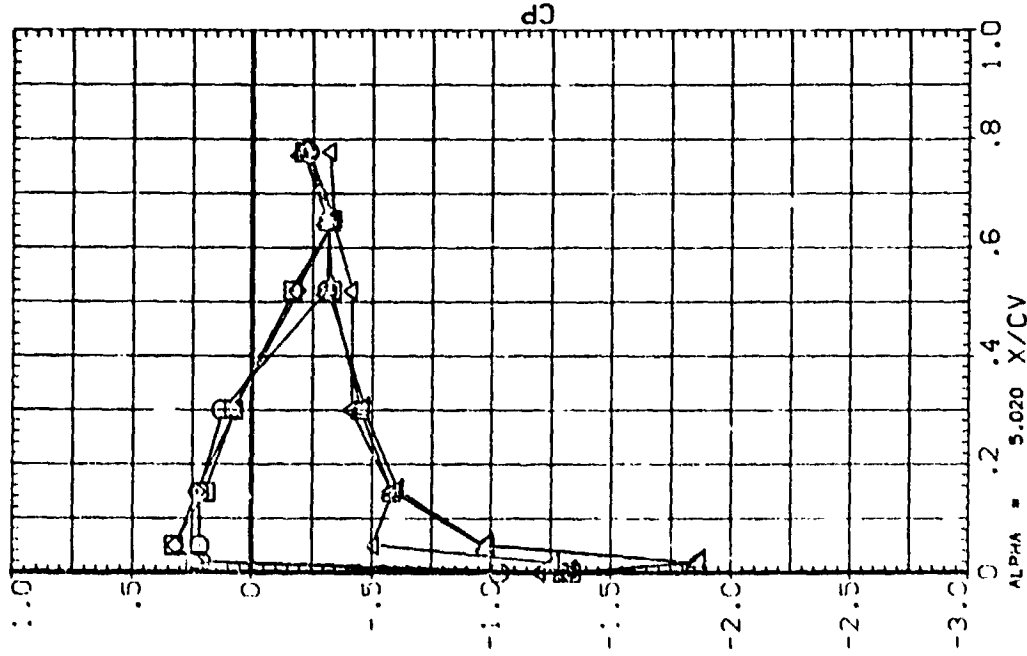
FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .158
 PAGE 373

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

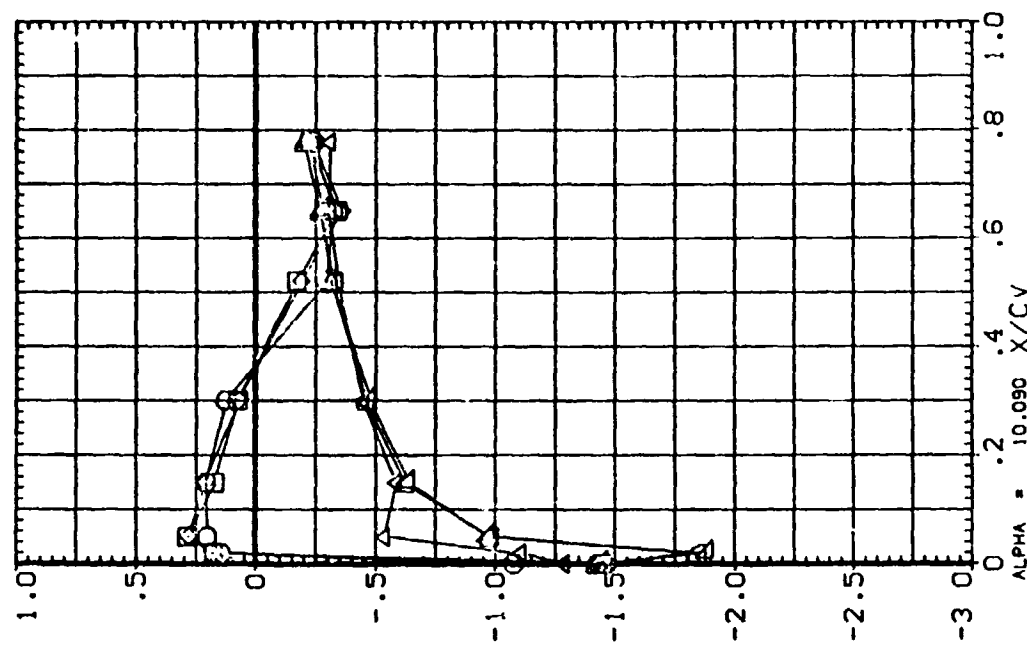
B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000



ALPHA = 5.020 X/CV

FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.000 Z/BV = .158



ALPHA = 10.090 X/CV

BETA	RUGER	ELEV.
-10.000	000	000
-10.000	000	000
-10.000	-7.500	000
-10.000	-1.500	000
-10.000	000	000
-10.000	-7.500	000
-10.000	-1.500	000

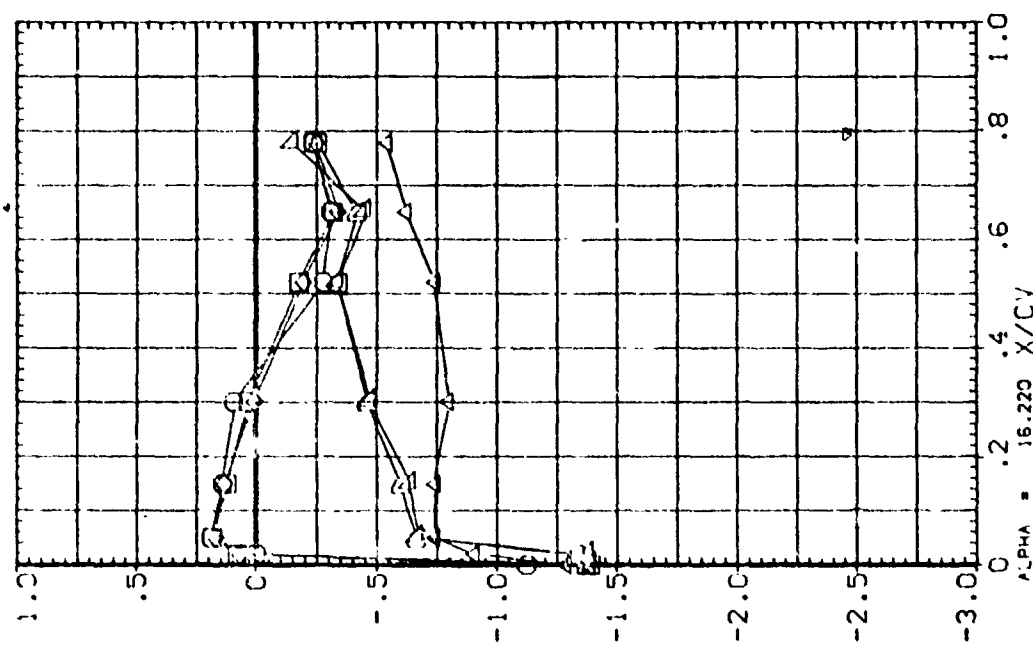
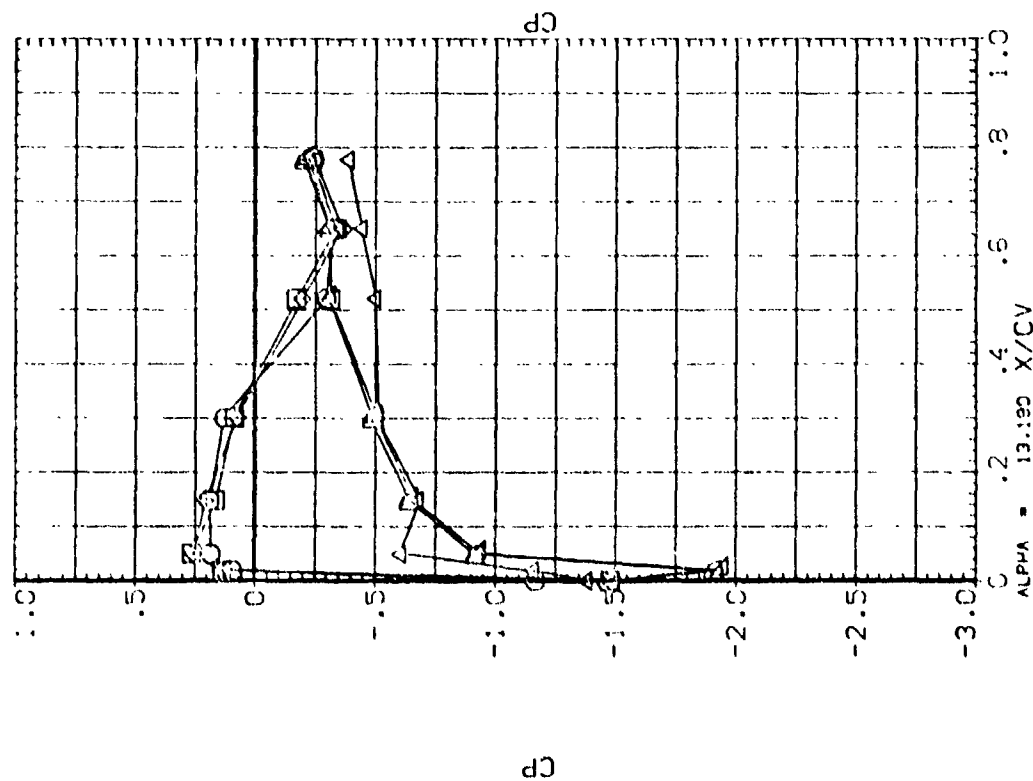


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, PUDDER EFFECT, $BETA = -10$

$BETA = -10.000$	$Z/B = .150$	$P/SE = 375$
------------------	--------------	--------------

BETA RUDDER ELEVON
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000

B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL

DATA SET SYMBOL
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9

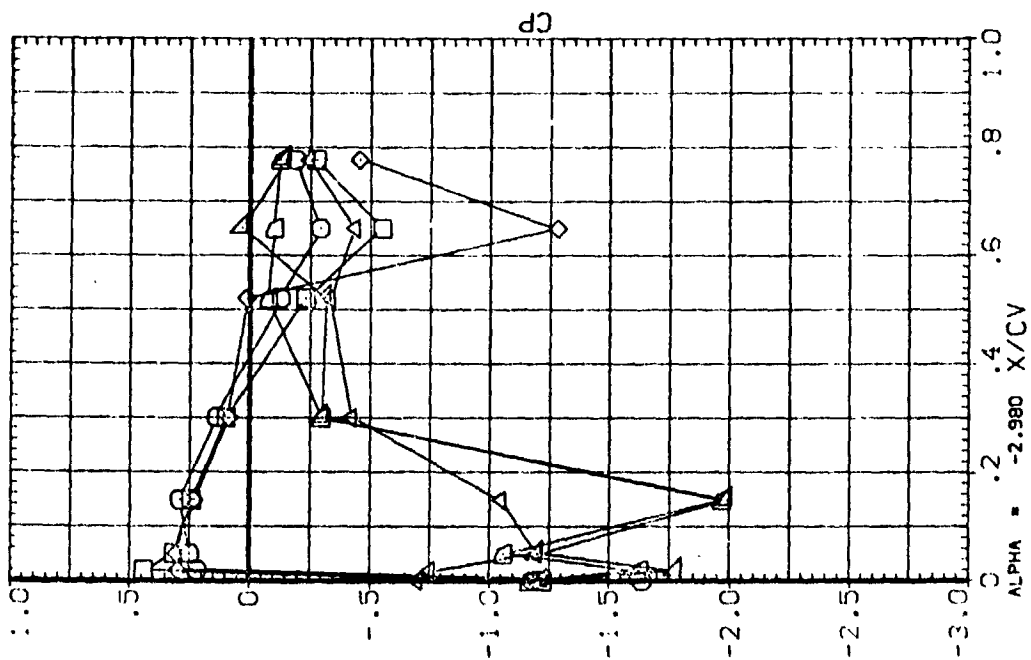
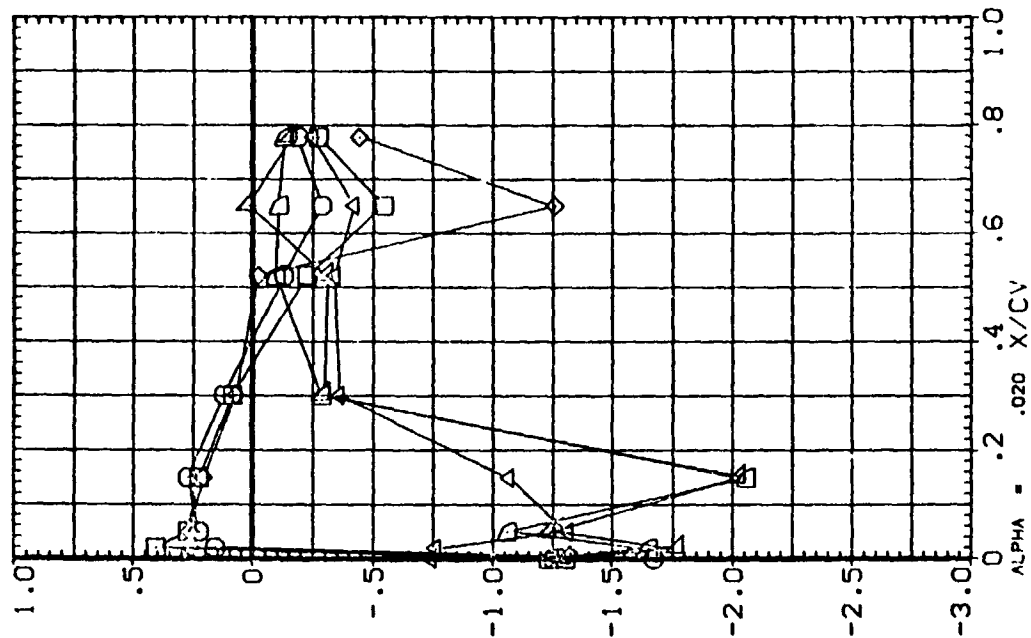


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 ALPHA = -10.060 Z/BV = .316

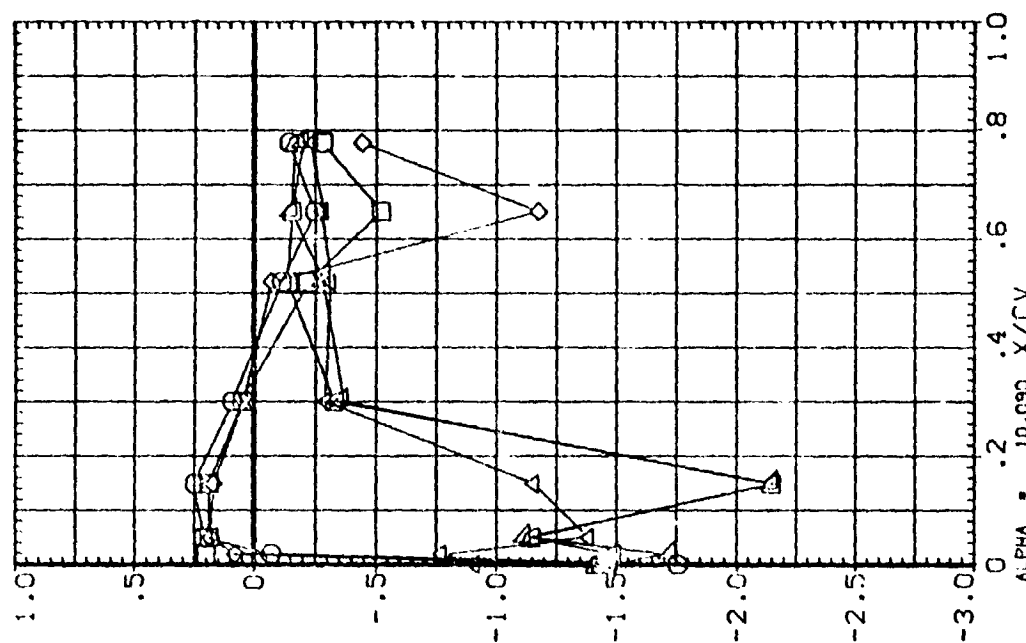
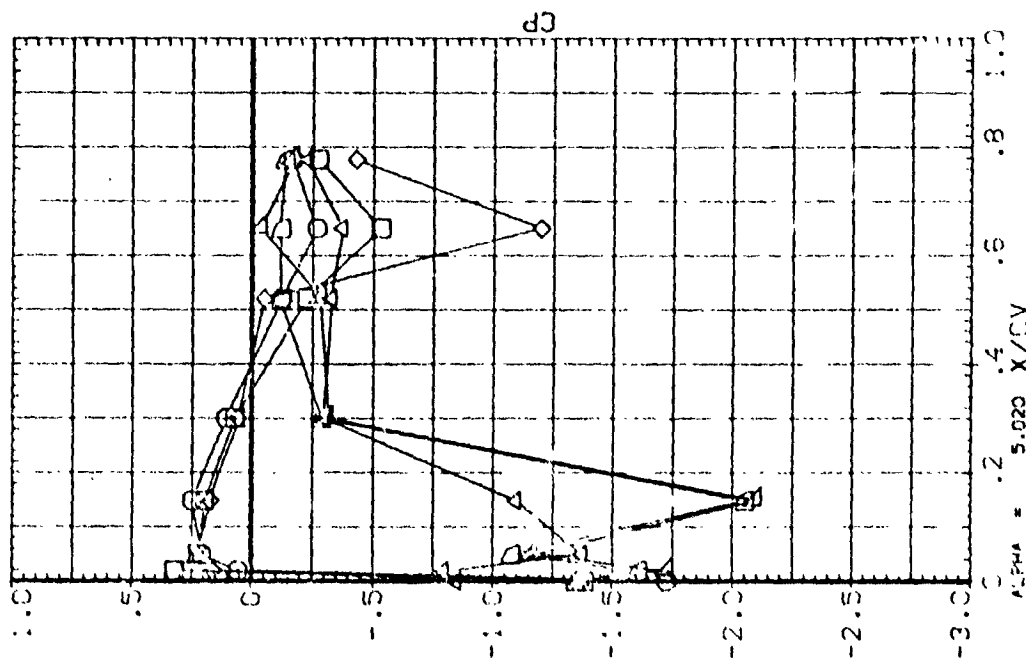
[illegible]

FIG. 37 VERT. TAIL CIRCUMWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 $\beta = -10.080$ $Z/B = .316$ PAGE 377

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

BETA	RUCER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-5.000	.000
-10.000	-5.000	.000
-10.000	-7.500	.000
-10.000	-5.000	.000

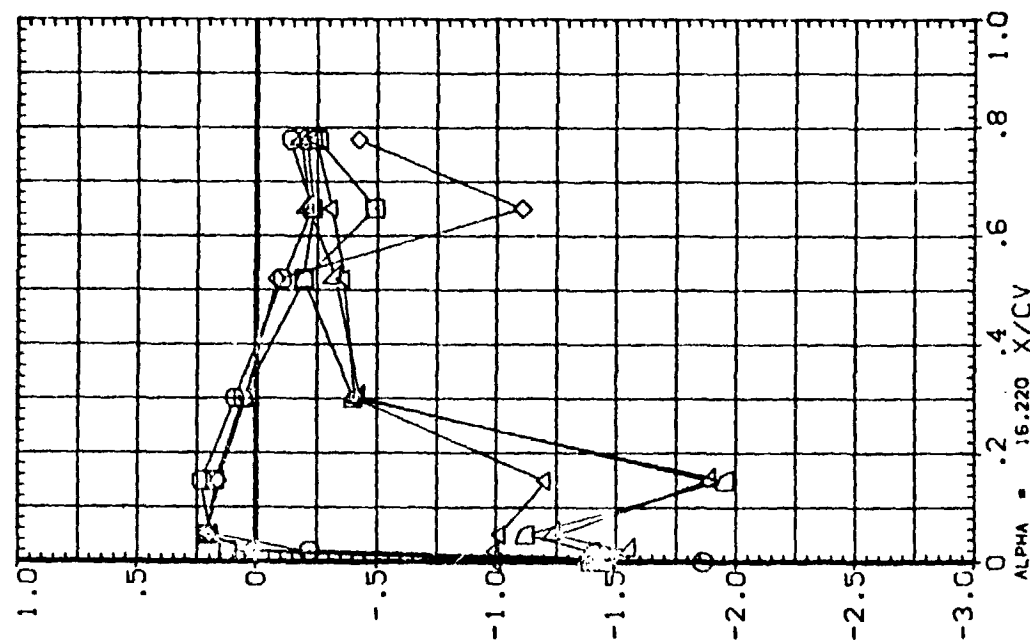
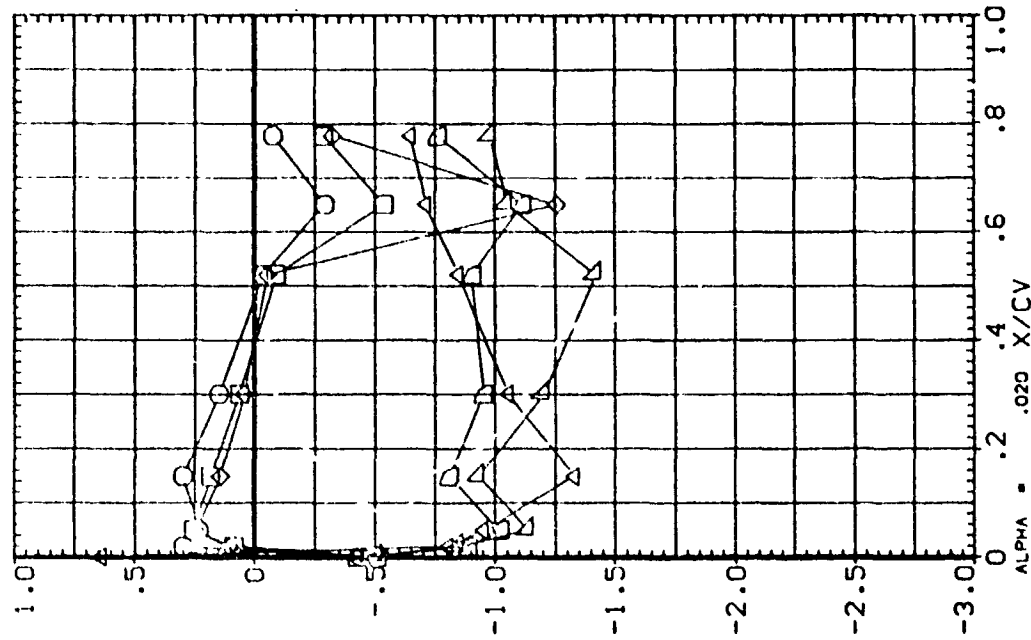
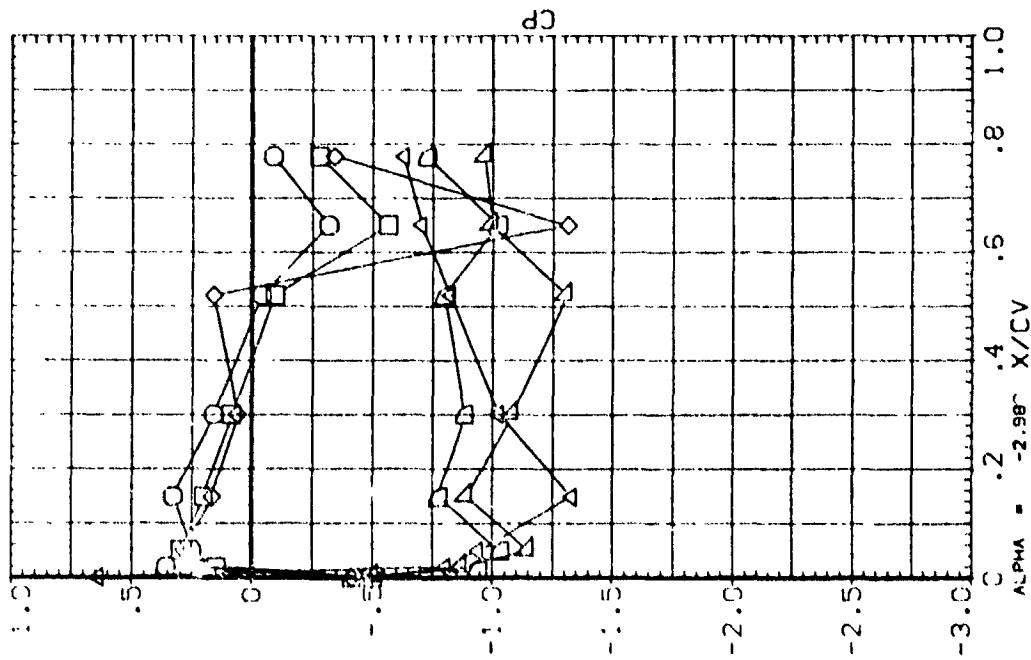


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10$
 $\beta = -10.063$ $Z/\beta = .316$ PAGE 378

BETA	RUGER	EVEN
10.000	0.000	0.000
10.000	0.000	0.000
10.000	1.500	0.000
10.000	1.500	0.000
10.000	1.500	0.000
10.000	1.500	0.000

FIG. 37. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = -10$

339. = AB/2 395.51 = 7.33

PAGE 379

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

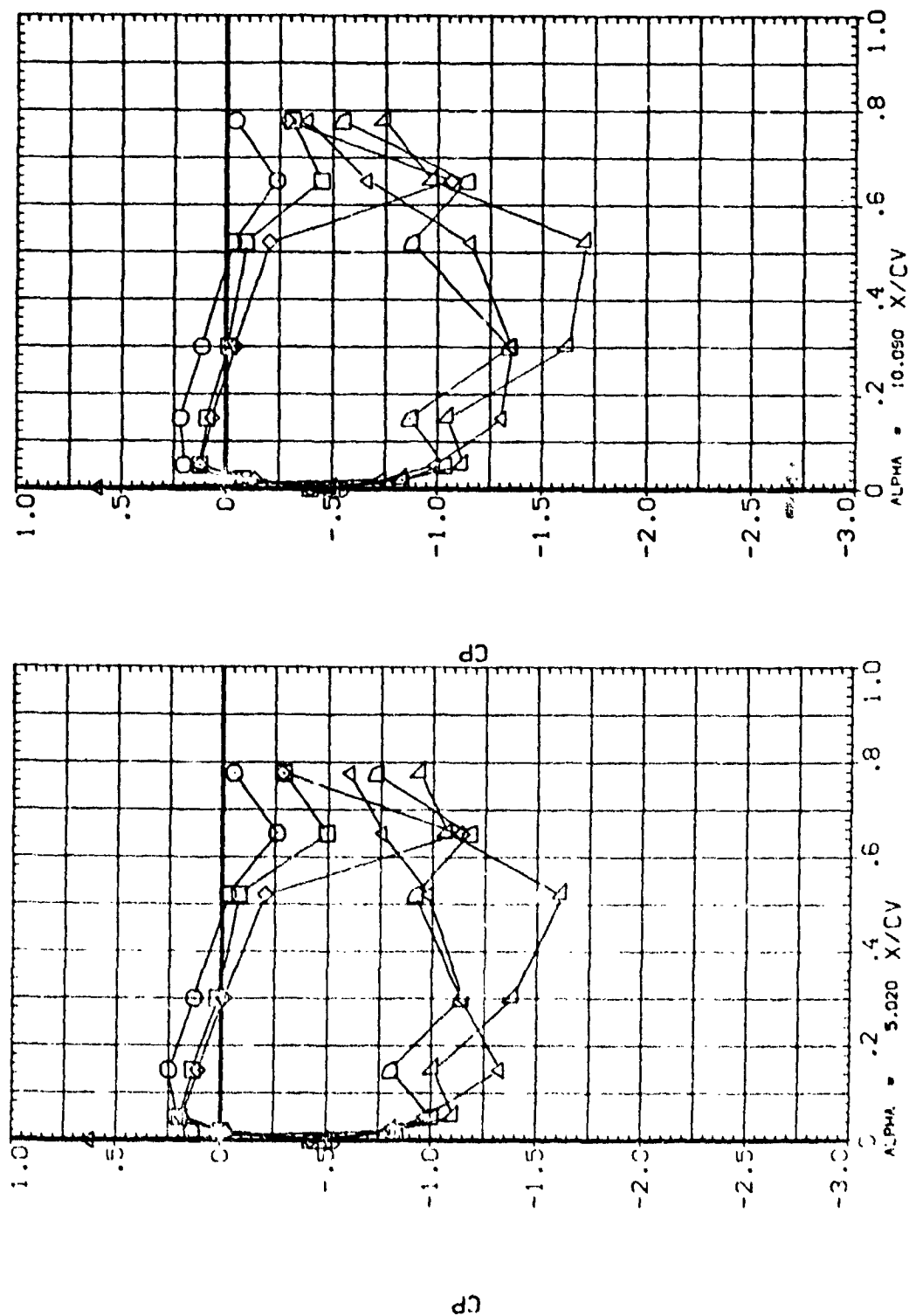


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = -10$
 $BETA = -10.060$ $Z/B = .600$ PAGE 380

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
B26C931547F8115E26VRSY8	LEFT VERTICAL	-10.000	.000	.000
B26C931547F8115E26VRSY9	LEFT VERTICAL	-10.000	-7.500	.000
B26C931547F8115E26VRSY8	LEFT VERTICAL	-10.000	-15.000	.000
B26C931547F8115E26VRSY9	LEFT VERTICAL	-10.000	-15.000	.000
B26C931547F8115E26VRSY8	RIGHT VERTICAL	-10.000	-7.500	.000
B26C931547F8115E26VRSY9	RIGHT VERTICAL	-10.000	-15.000	.000

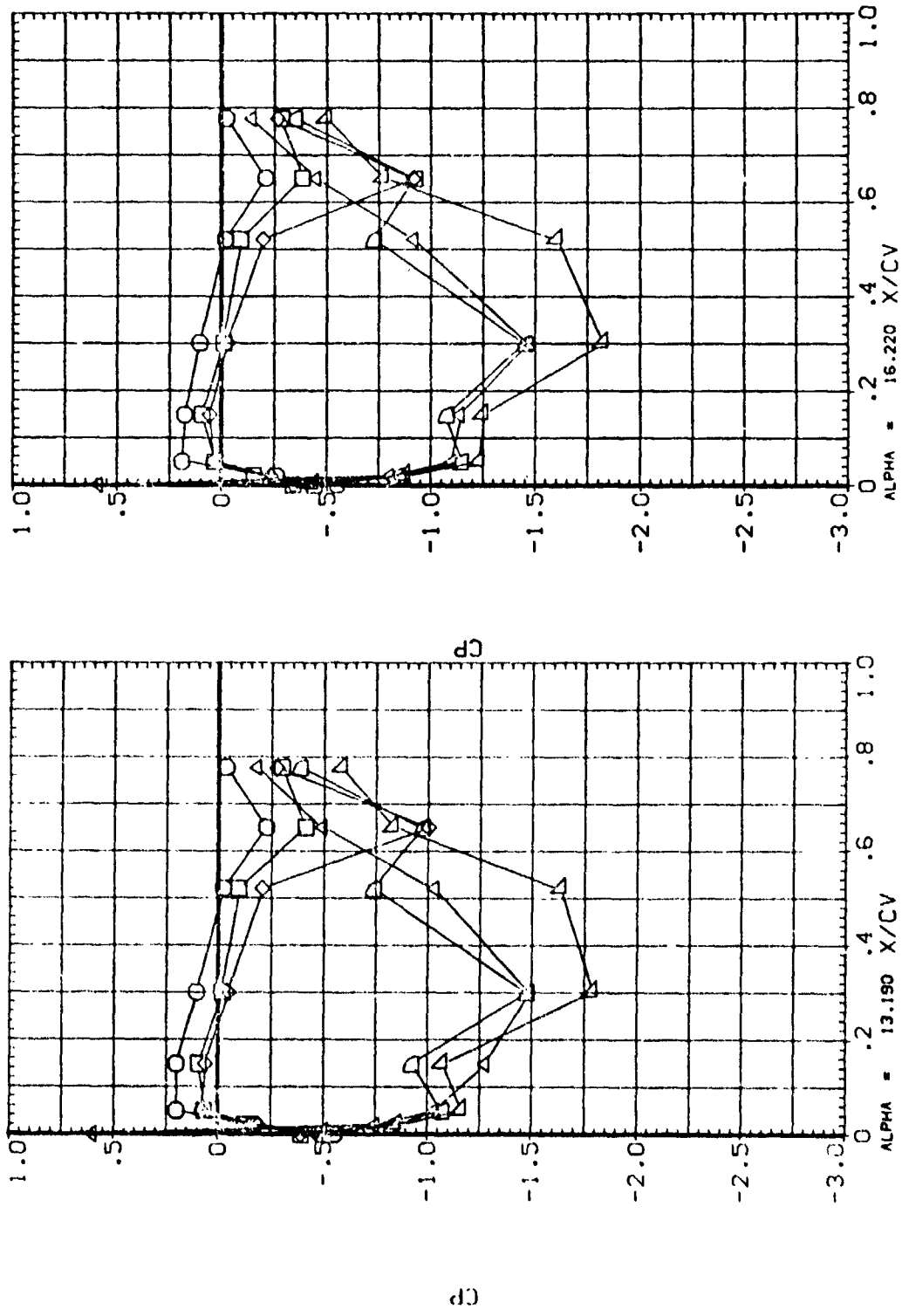


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(022V03)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	.000	.000
(022V15)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-7.500	.000
(022V12)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-15.000	.000
(022V05)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	.000	.000
(022V15)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-7.500	.000
(022V12)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-15.000	.000

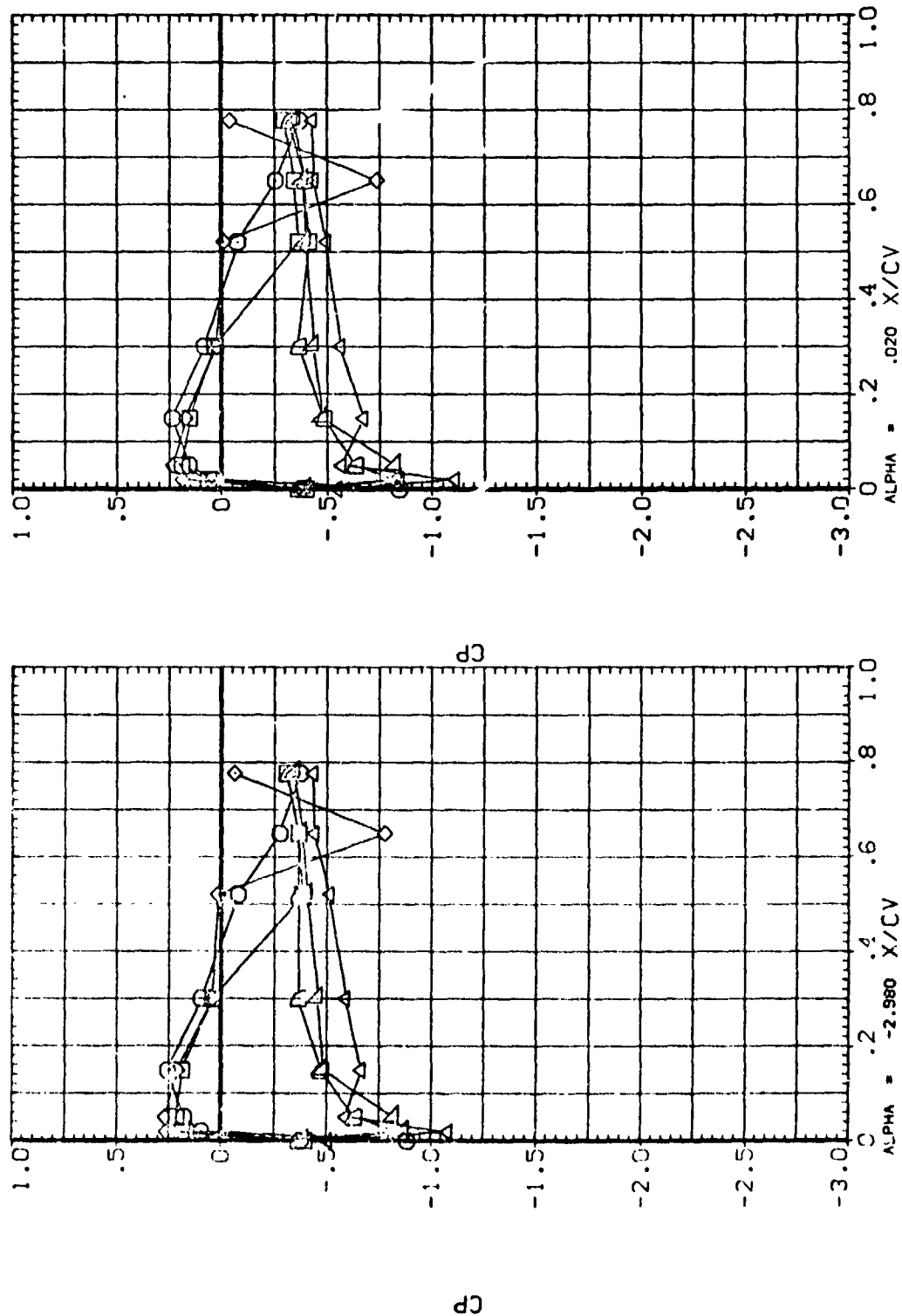


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

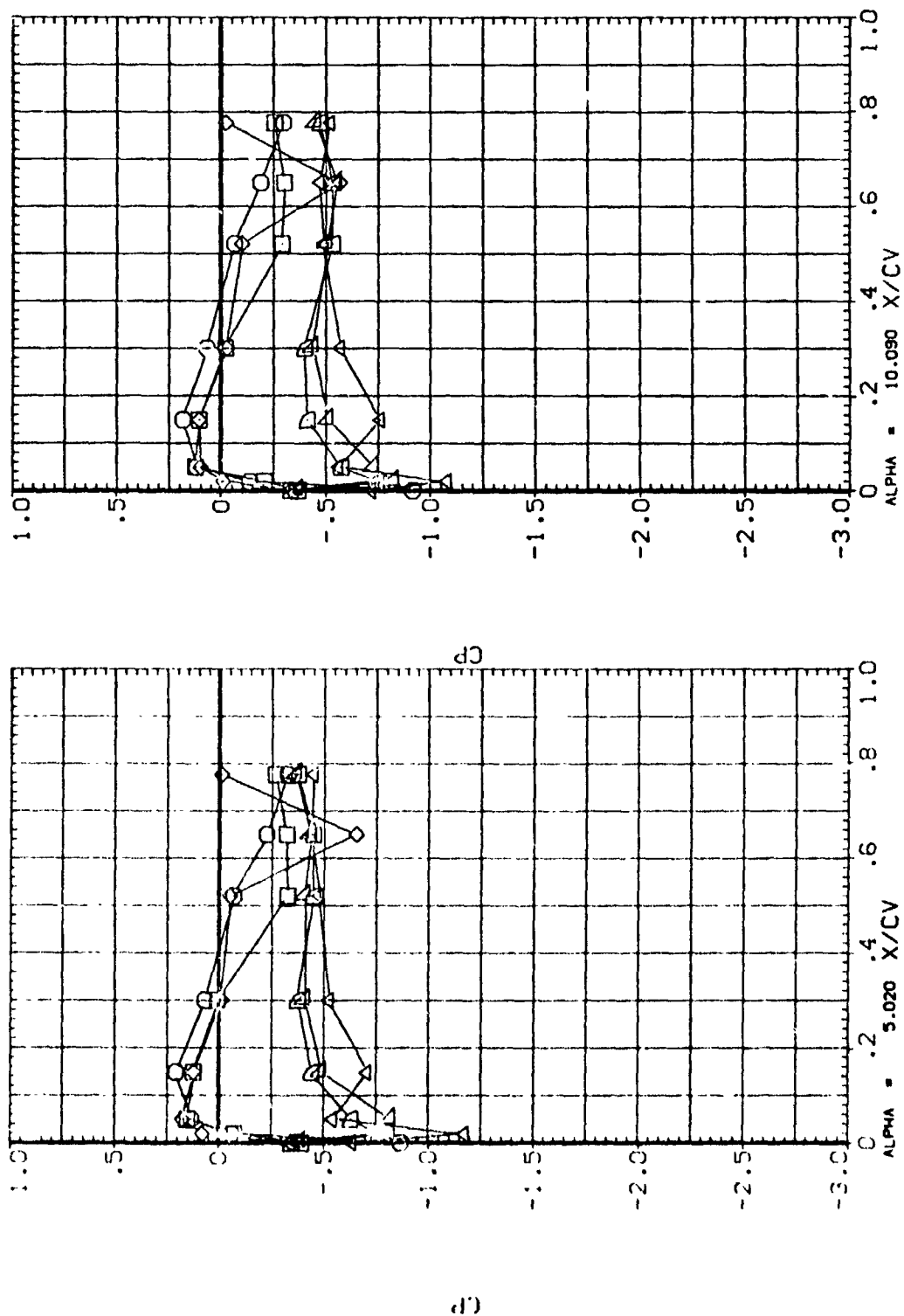


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Z/BV = .940

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R0003) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (R0015) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (R0012) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (R0015) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (R0015) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (R0012) B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000

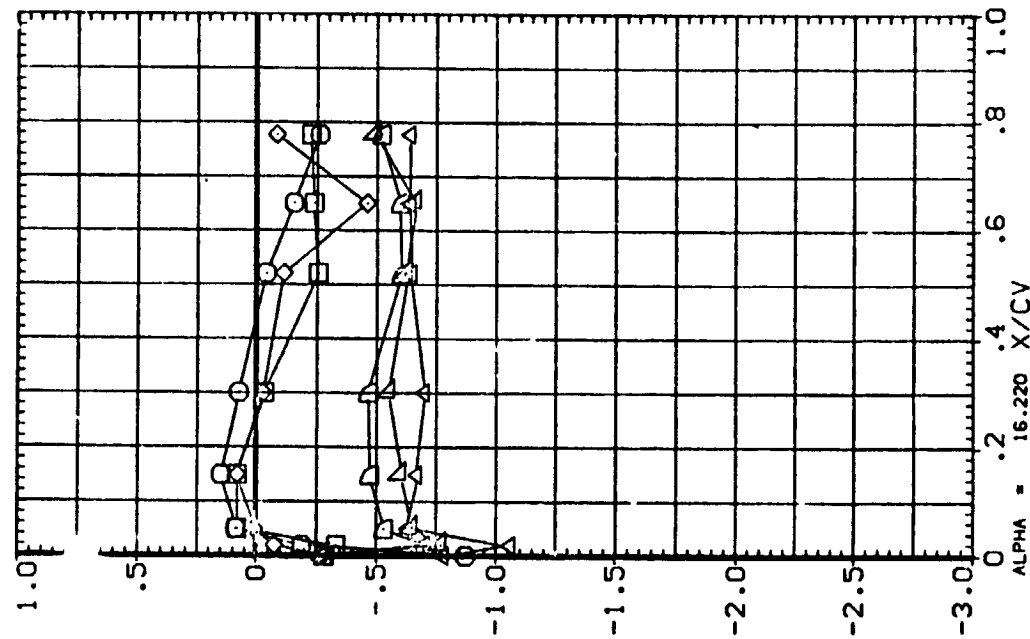
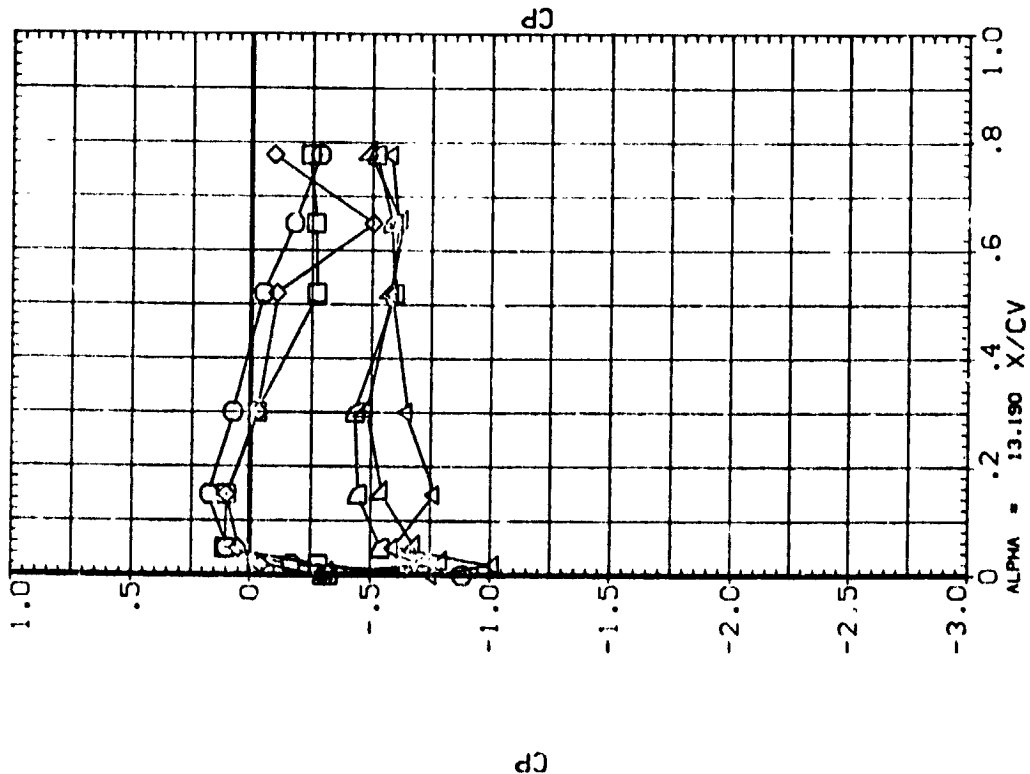


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .840
 ALPHA = 13.190 X/CV
 ALPHA = 16.220 X/CV

BETA	RUGGER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

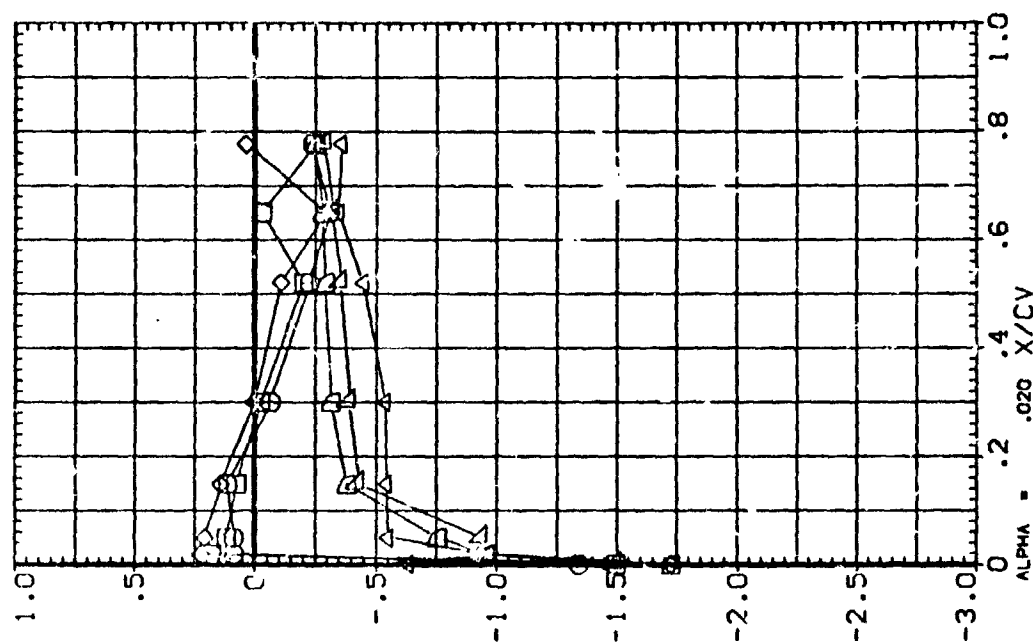
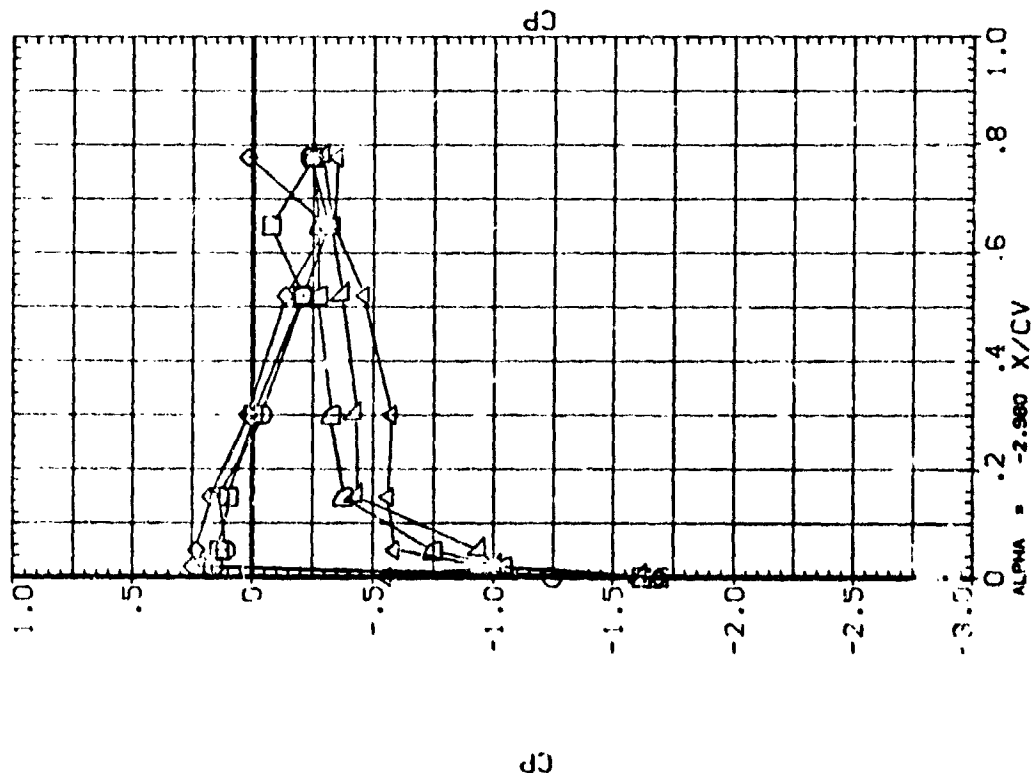


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10$
 $z/b = -10.060$ $z/b = .925$ PAGE 385

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

B26C9G15M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8P5X9 RIGHT VERTICAL
 B26C9G15M7F8W116E26V8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

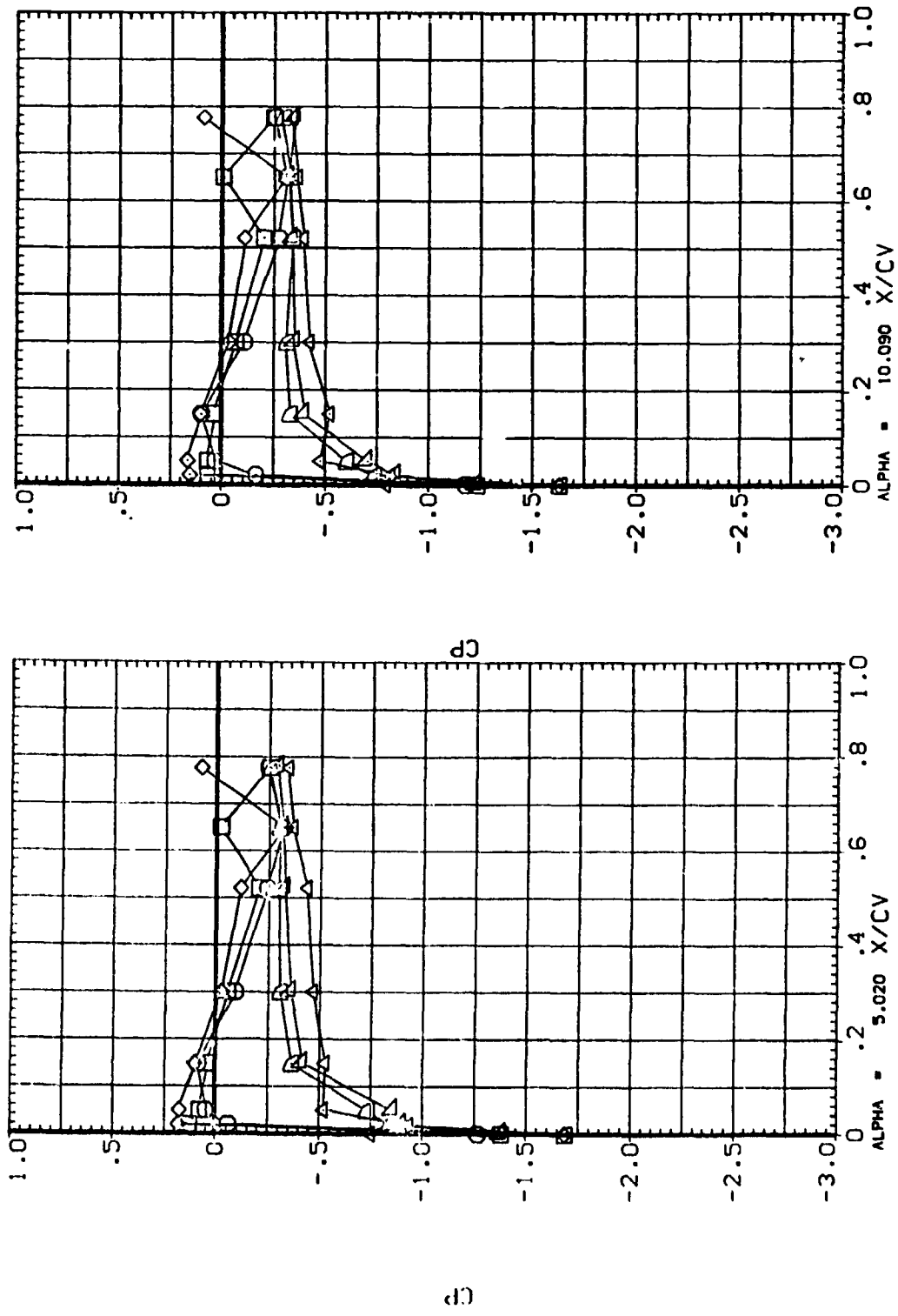


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

$\alpha = -10.060$ $Z/BV = .925$

CONFIGURATION	DESCRIPTION
B26C901 SHF=EW	LEFT VERTICAL
B26C901 SHF=EW	LEFT VERTICAL
B26C901 SHF=EW	LEFT VERTICAL
B26C901 SHF=EW	LEFT VERTICAL
B26C901 SHF=EW	RIGHT VERTICAL
B26C901 SHF=EW	RIGHT VERTICAL

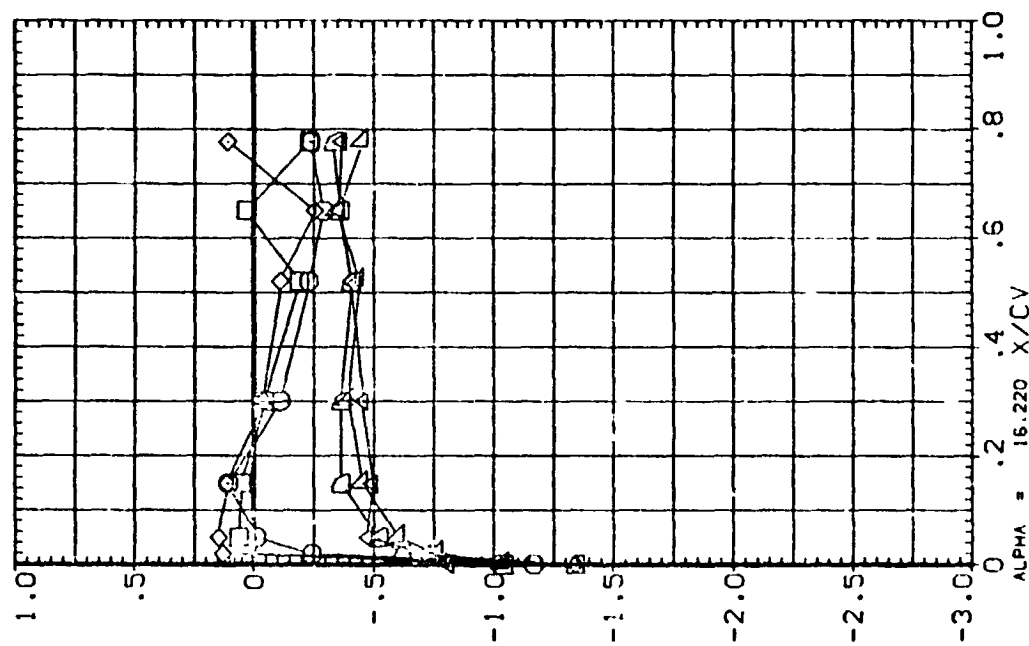


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10$
 $\beta = -10.000$ $Z/B = .325$ PAGE 387

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(P0004)	B2609154758W116E18V85X9 LEFT VERTICAL
(P0016)	B2609154758W116E18V85X9 LEFT VERTICAL
(P0013)	B2609154758W116E18V85X9 LEFT VERTICAL
(P0016)	B2609154758W116E18V85X9 LEFT VERTICAL
(P0013)	B2609154758W116E18V85X9 RIGHT VERTICAL

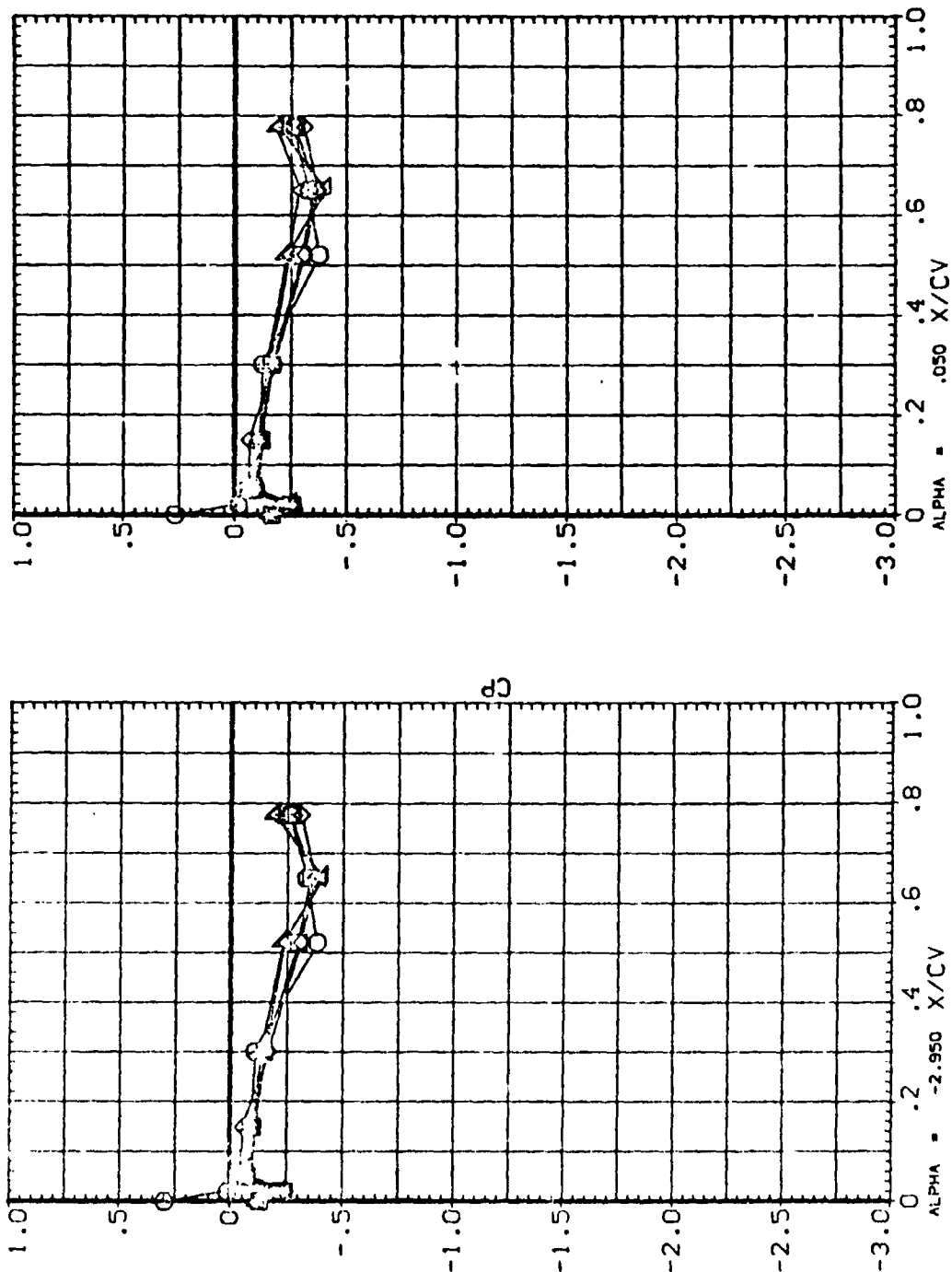


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .158

PAGE 388

BETA	RUDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

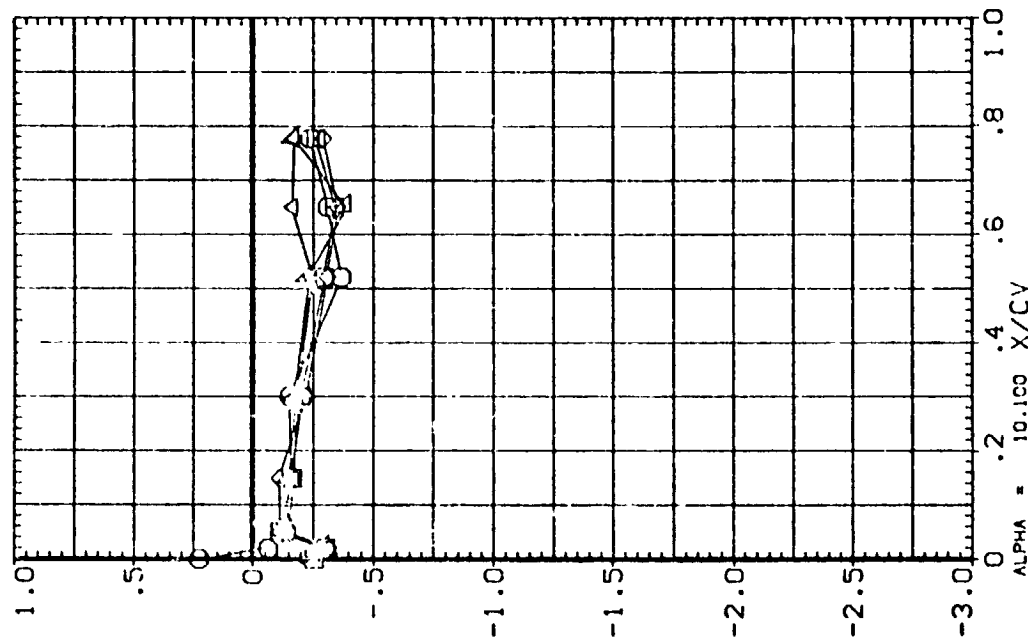
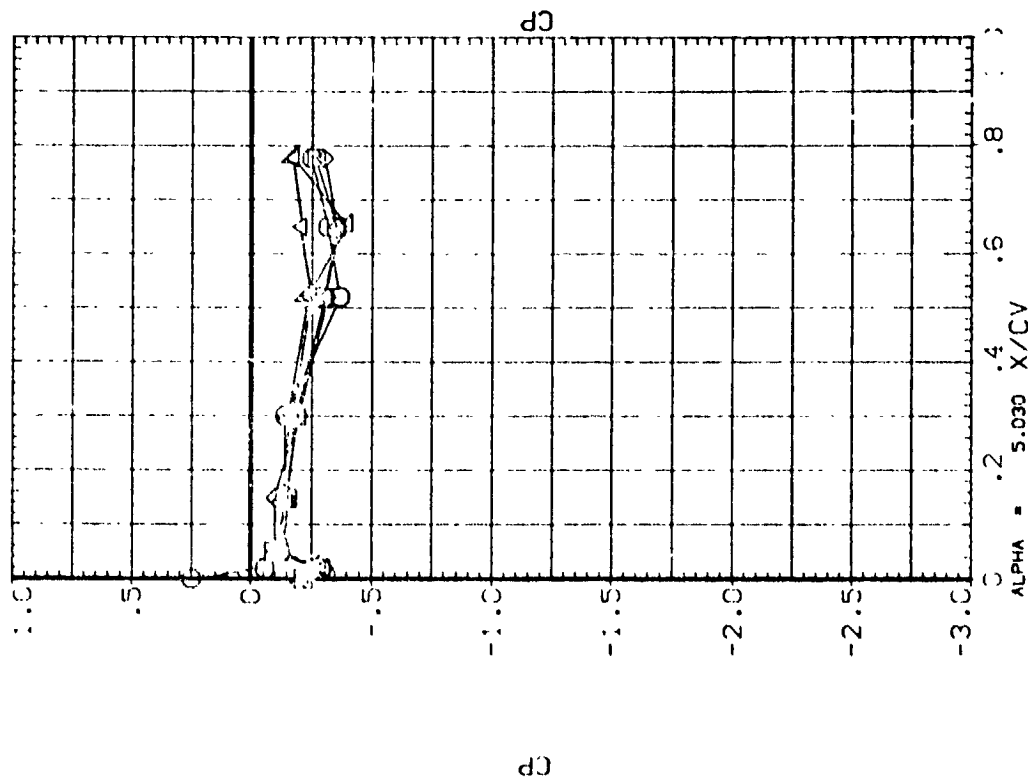


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = 0$

85.	"	KG/2	0:00	"	4 11 11
-----	---	------	------	---	---------------

D. A. S. E. 389

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

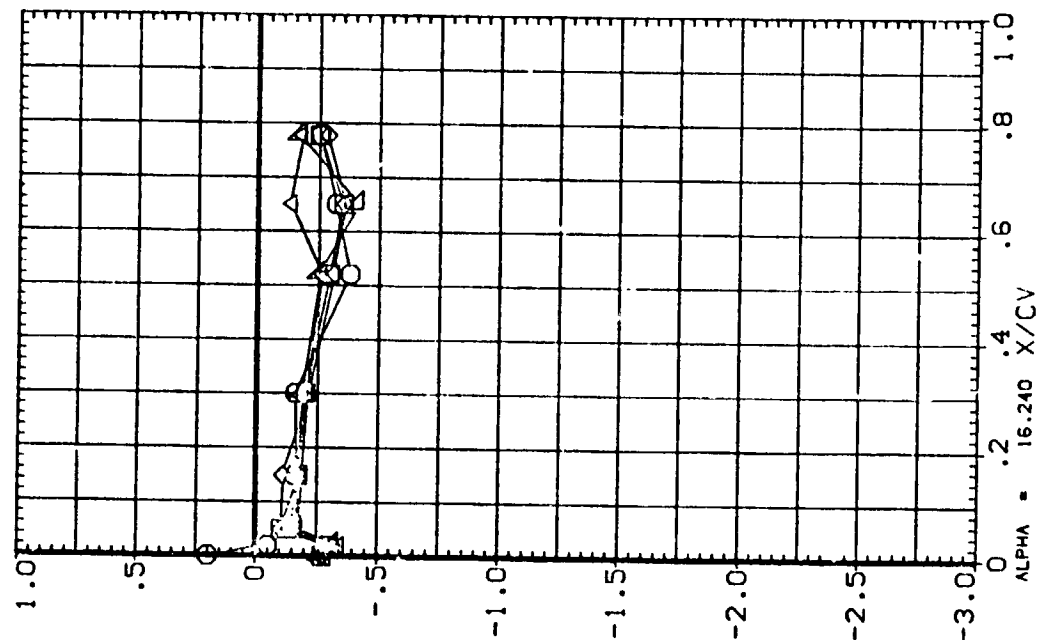
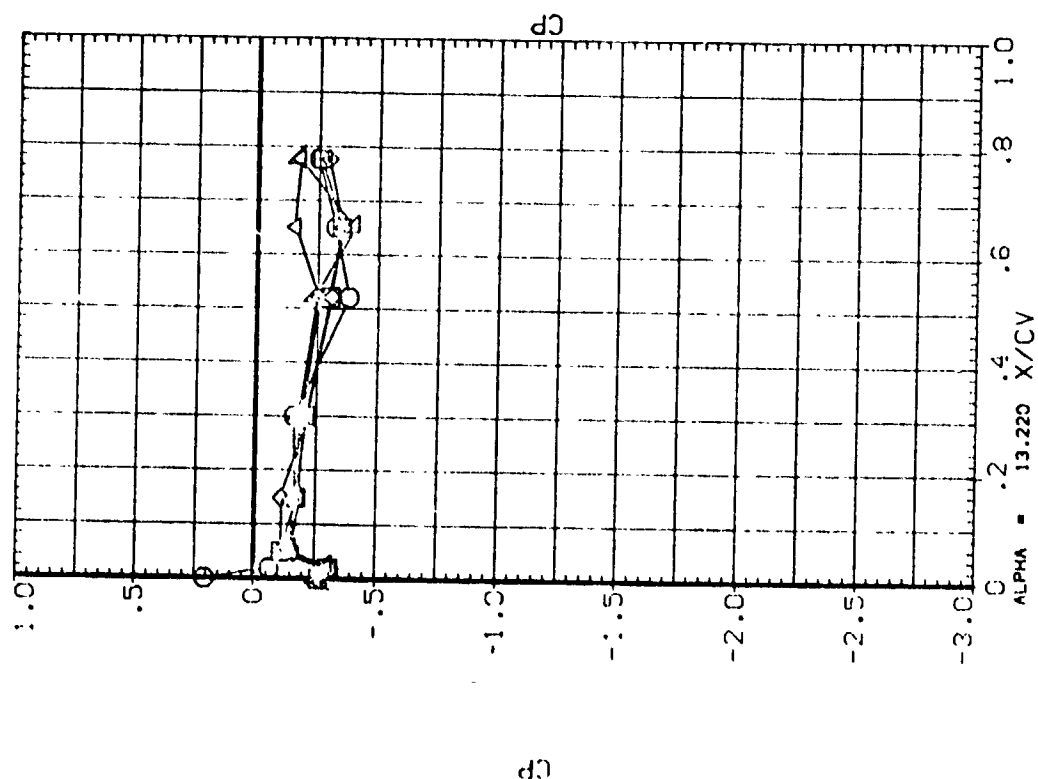


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = 0$

$$\frac{85}{100} = \frac{AE}{Z} \quad 0.85 = \frac{AE}{Z}$$

PAGE 390

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (PC3V04) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V16) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V13) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V16) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V13) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V16) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V13) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

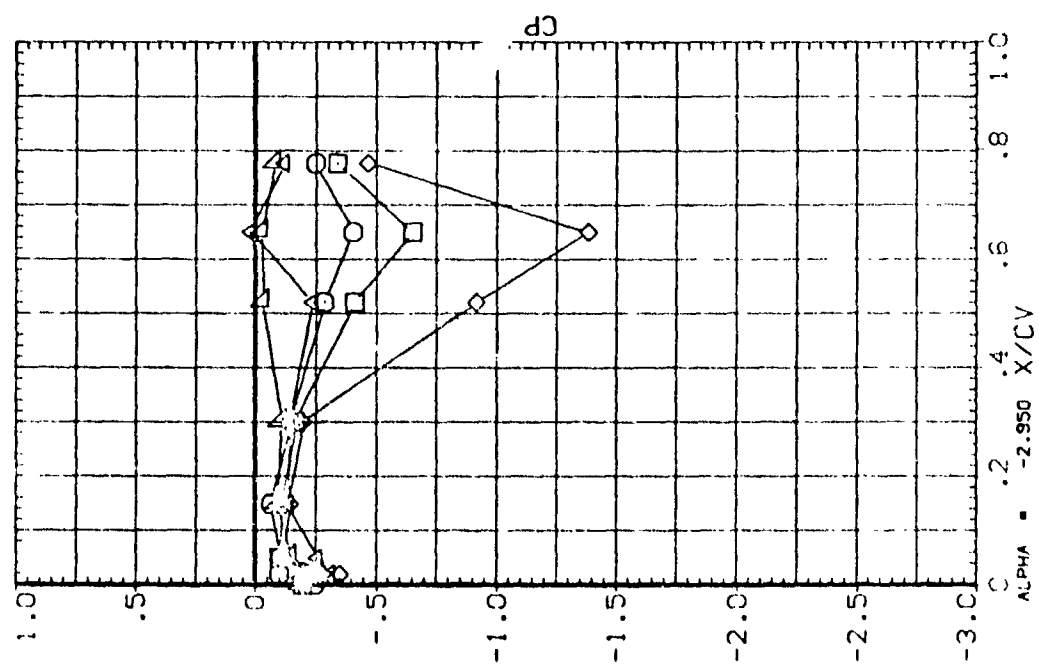
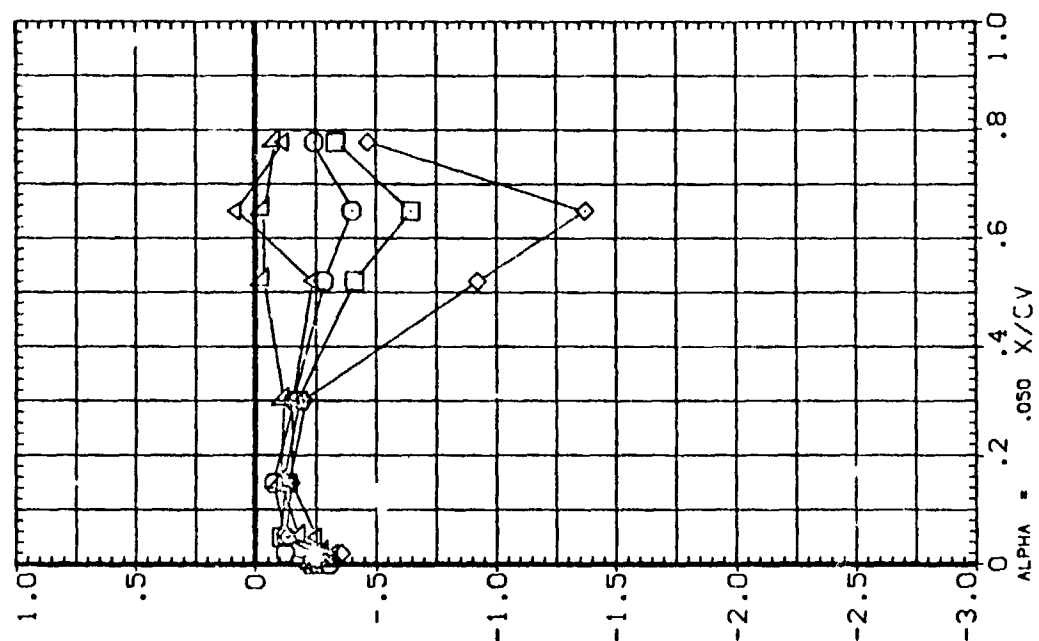


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 ALPHA = -0.0 Z/BV = .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RDOV04) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV16) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV13) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV16) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV13) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 -7.500 .000 .000
 -15.000 .000 .000
 -7.500 .000 .000
 -15.000 .000 .000

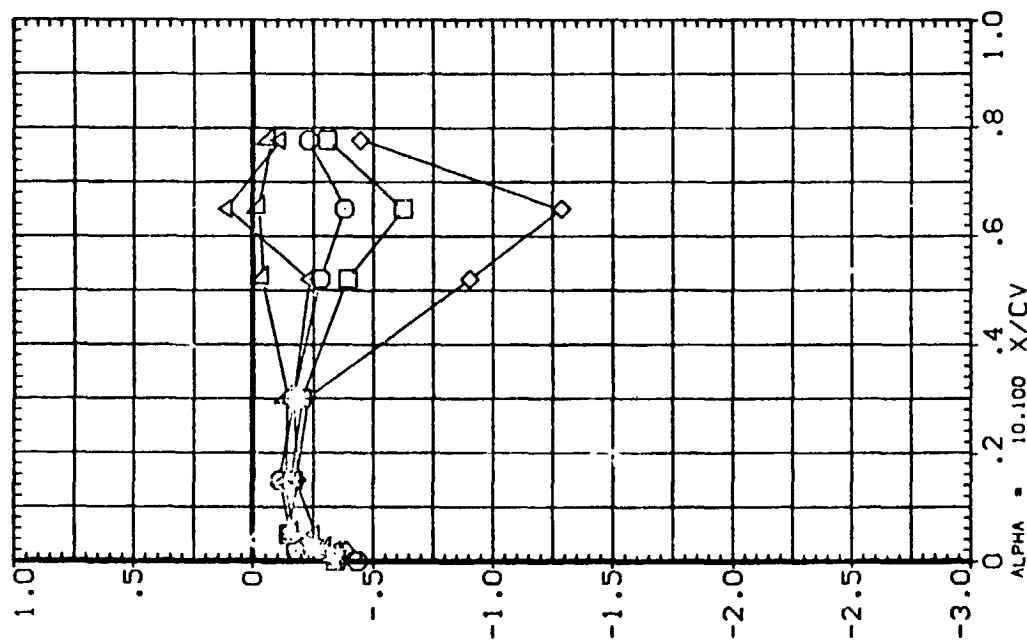
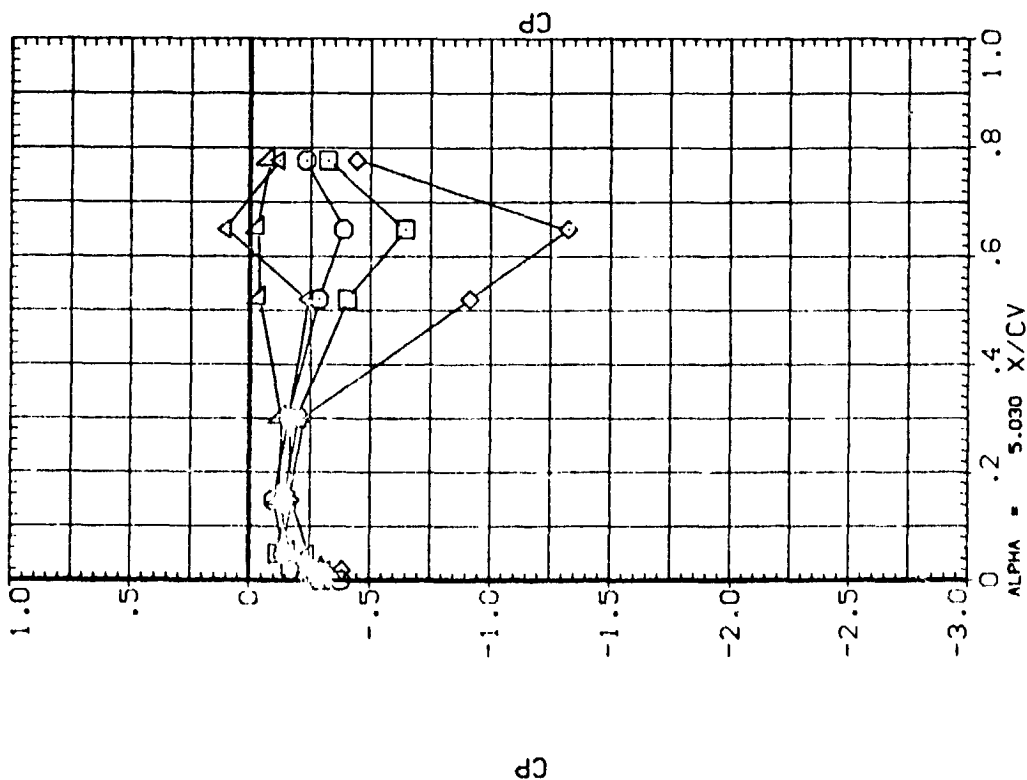


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00104) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00105) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00106) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00107) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00108) B06C9G15M7F8M116E26V8P5X9 RIGHT VERTICAL
 (R00109) B06C9G15M7F8M116E26V8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

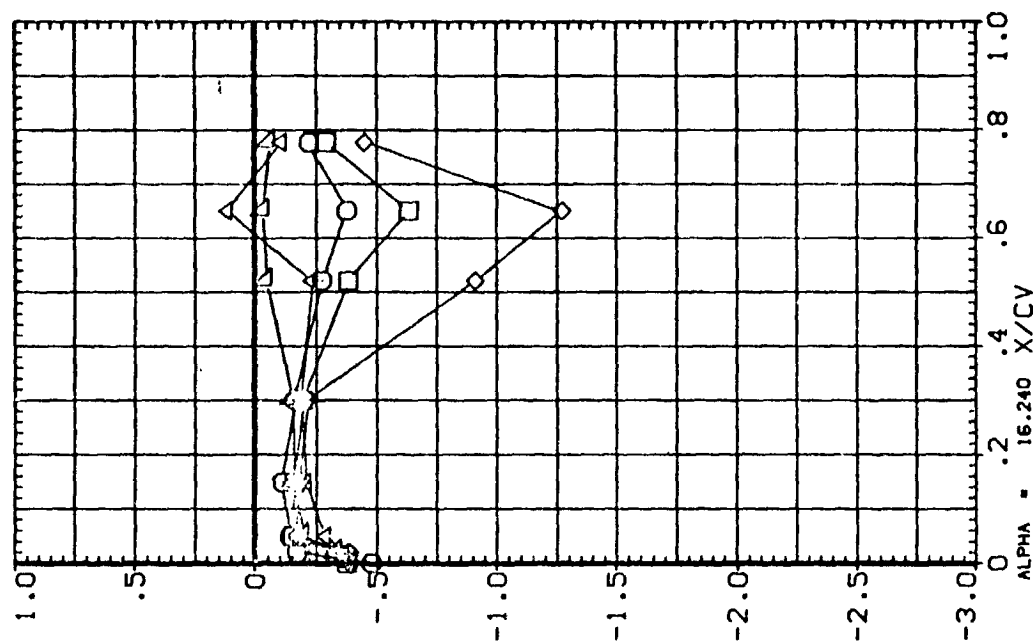
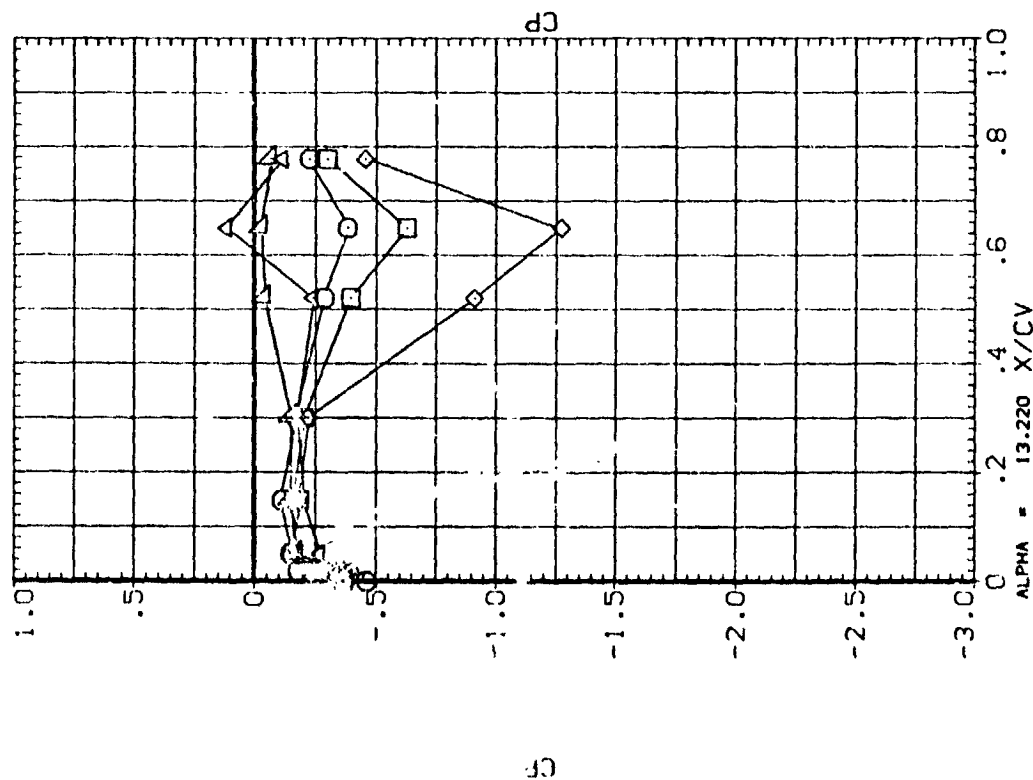


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 Z/8V = .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R02V04) B2633315M7B#116E26.8P5X9 LEFT VERTICAL
 (R02V16) B2633315M7B#116E26.8P5X9 LEFT VERTICAL
 (R02V13) B2633315M7B#116E26.8P5X9 LEFT VERTICAL
 (R02V19) B2633315M7B#116E26.8P5X9 RIGHT VERTICAL
 (R02V13) B2633315M7B#116E26.8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

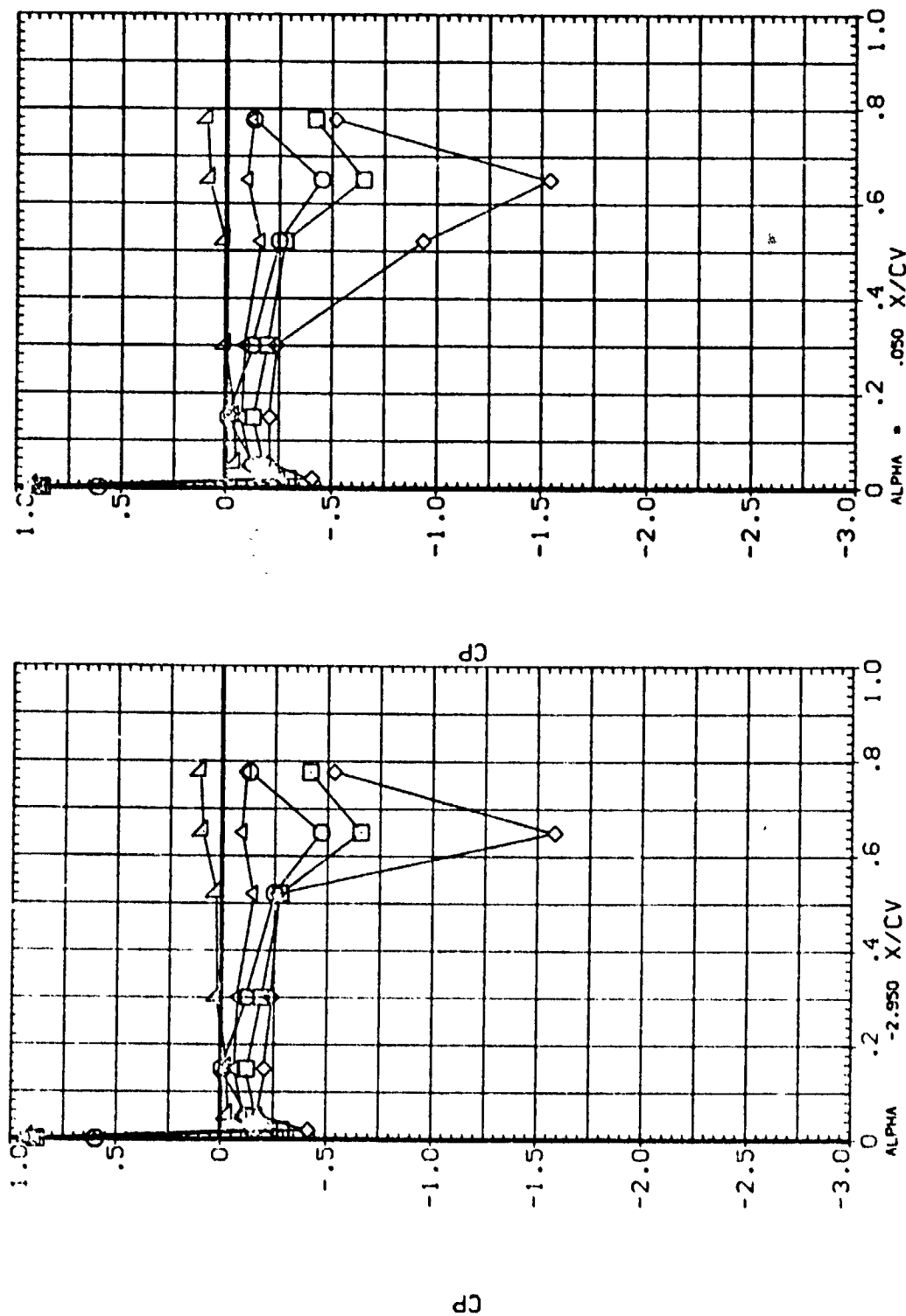


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -0.010 Z/BV = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00104) B26C93:5M7F8M116E26.8P5X9 LEFT VERTICAL
 (R00105) B26C93:5M7F8M116E26.8P5X9 LEFT VERTICAL
 (R00106) B26C93:5M7F8M116E26.8P5X9 LEFT VERTICAL
 (R00107) B26C93:5M7F8M116E26.8P5X9 RIGHT VERTICAL
 (R00108) B26C93:5M7F8M116E26.8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -15.000 .000

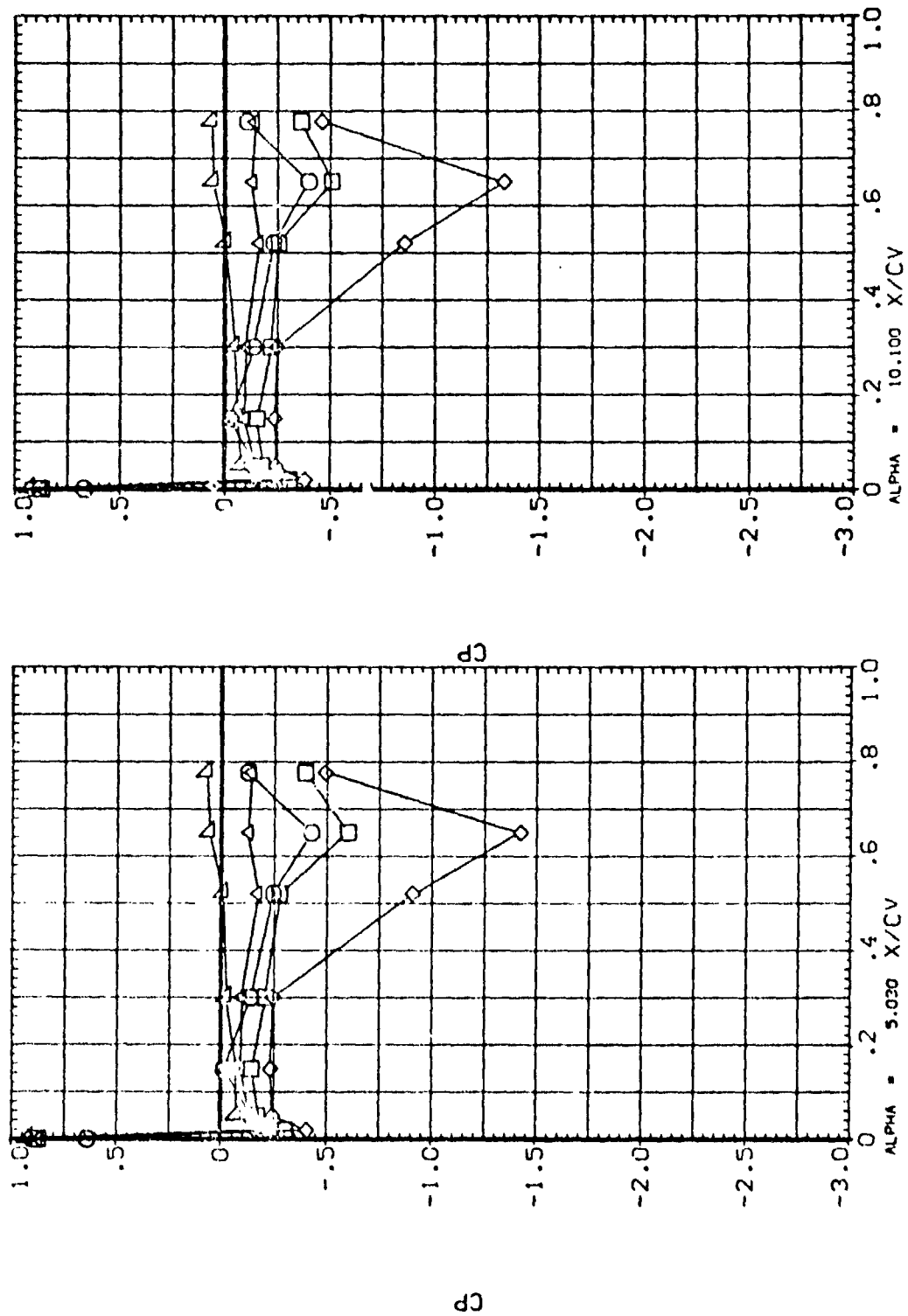


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 8250615778W116E26V8S9 LEFT VERTICAL
 8250615778W116E26V8S9 LEFT VERTICAL
 8250615778W116E26V8S9 LEFT VERTICAL
 8250615778W116E26V8S9 LEFT VERTICAL
 8250615778W116E26V8S9 RIGHT VERTICAL
 8250615778W116E26V8S9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

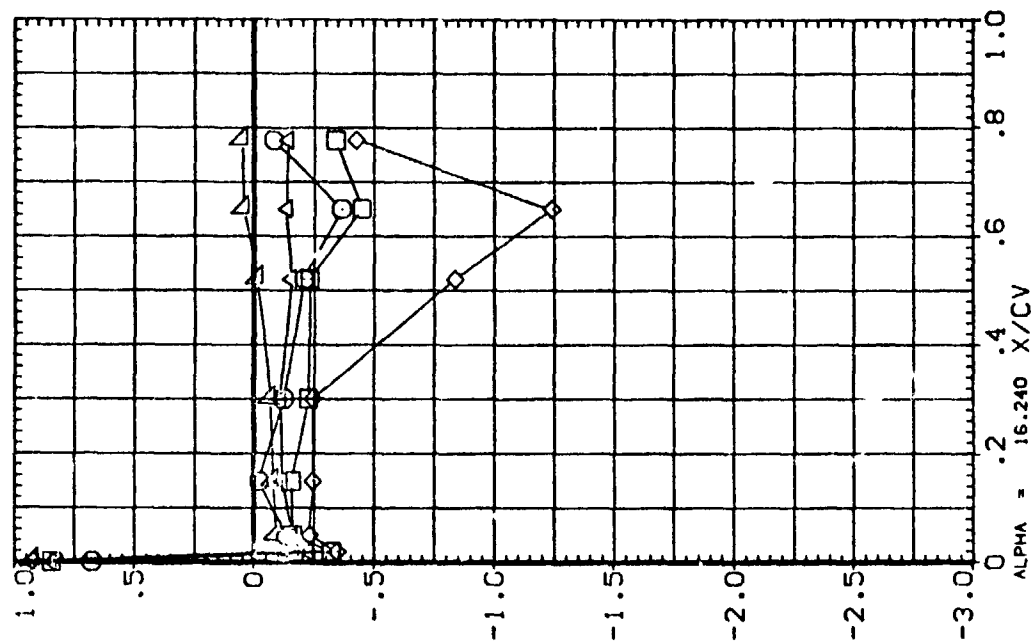
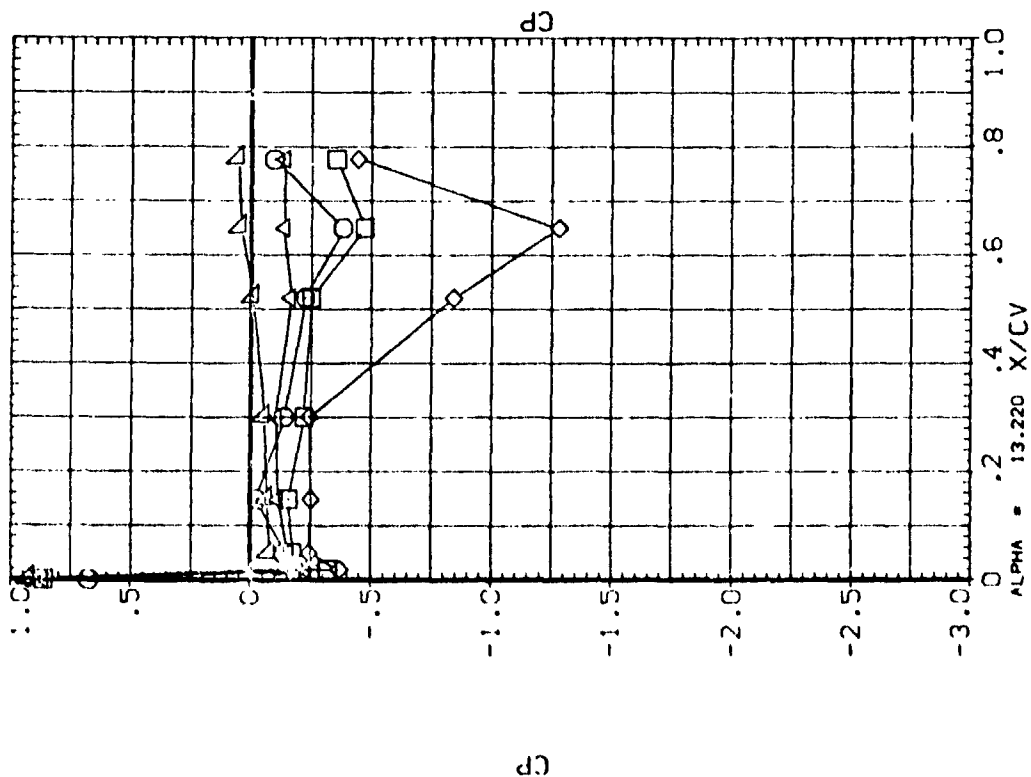


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -0.010 Z/BV = .600

DATA SET SV932- CONFIGURATION DESCRIPTION:
 (R03V04) B26C931SM7F8N116E26V8RSX9 LEFT VERTICAL
 (R03V16) B26C931SM7F8N116E26V8RSX9 LEFT VERTICAL
 (R03V13) B26C931SM7F8N116E26V8RSX9 LEFT VERTICAL
 (R03V15) B26C931SM7F8N116E26V8RSX9 LEFT VERTICAL
 (R03V13) B26C931SM7F8N116E26V8RSX9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

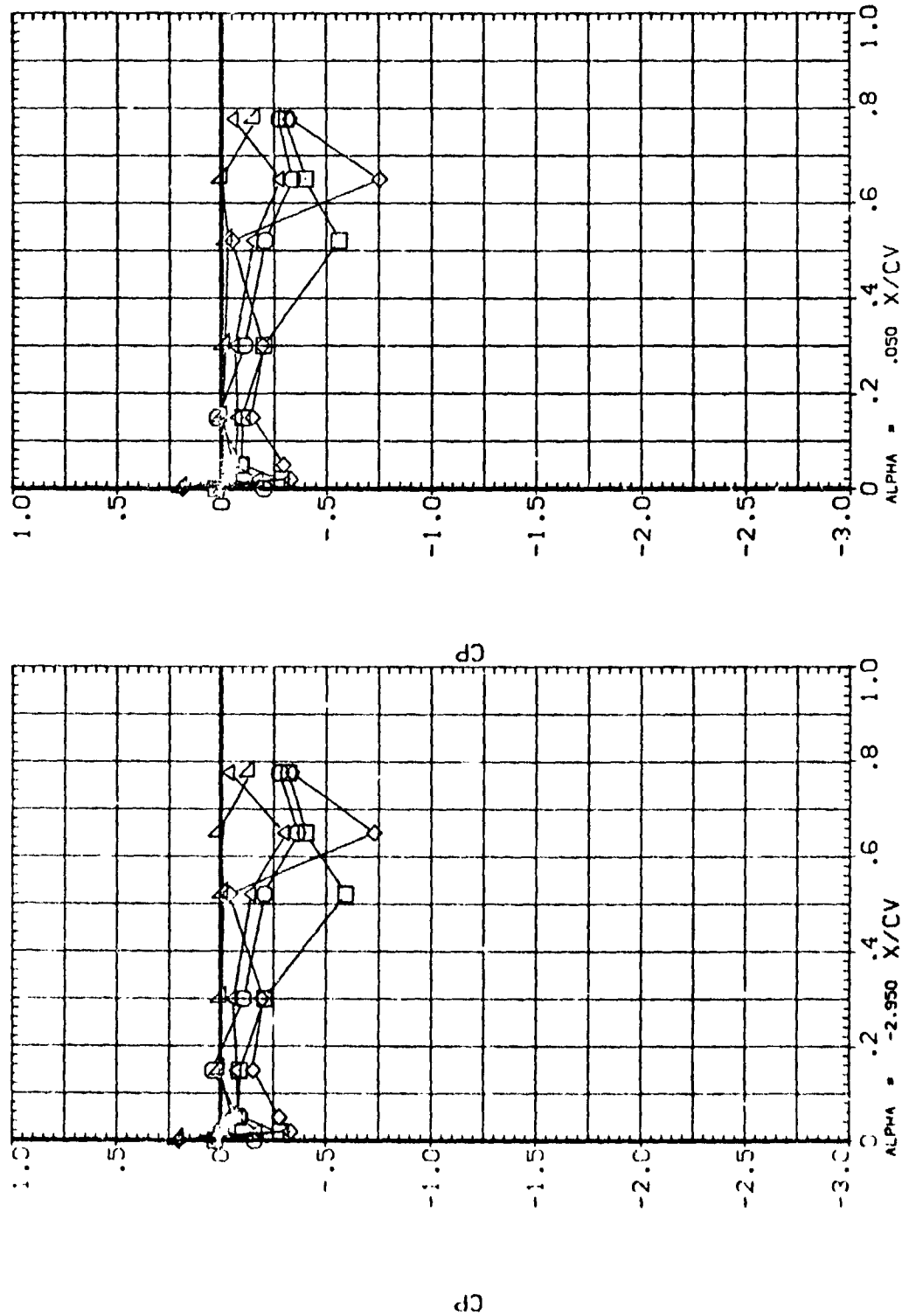


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

SETA = -0.0 C Z/BV = .840

DATA SET 5-BOL
 100-04
 100-10
 100-13
 100-16
 100-19
 100-22
 100-25
 100-28
 100-31
 100-34
 100-37
 100-40
 100-43
 100-46
 100-49
 100-52
 100-55
 100-58
 100-61
 100-64
 100-67
 100-70
 100-73
 100-76
 100-79
 100-82
 100-85
 100-88
 100-91
 100-94
 100-97
 100-100

CONFIGURATION DESCRIPTION
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 RIGHT VERTICAL
 82609G154784116E26/8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000
 .000 -7.500
 .000 .000
 .000 -15.000
 .000 -17.500
 .000 -15.000
 .000 -7.500

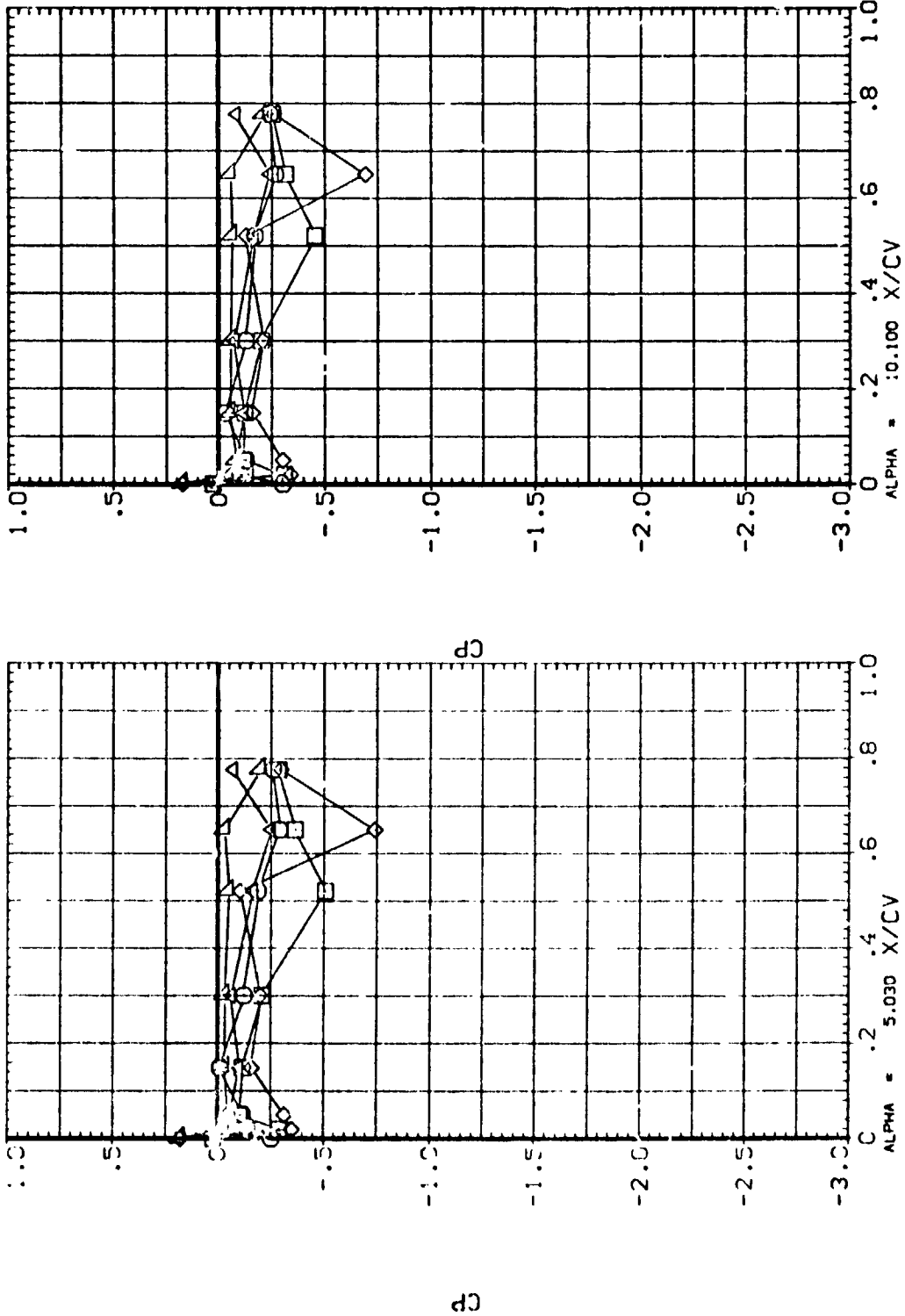


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 B26C93157F811626V8PSX9 LEFT VERTICAL
 B26C93157F811626V8PSX9 LEFT VERTICAL
 B26C93157F811626V8PSX9 LEFT VERTICAL
 B26C93157F811626V8PSX9 LEFT VERTICAL
 B26C93157F811626V8PSX9 RIGHT VERTICAL
 B26C93157F811626V8PSX9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000
 .000 -7.500
 .000 -15.000
 .000 -7.500
 .000 -15.000

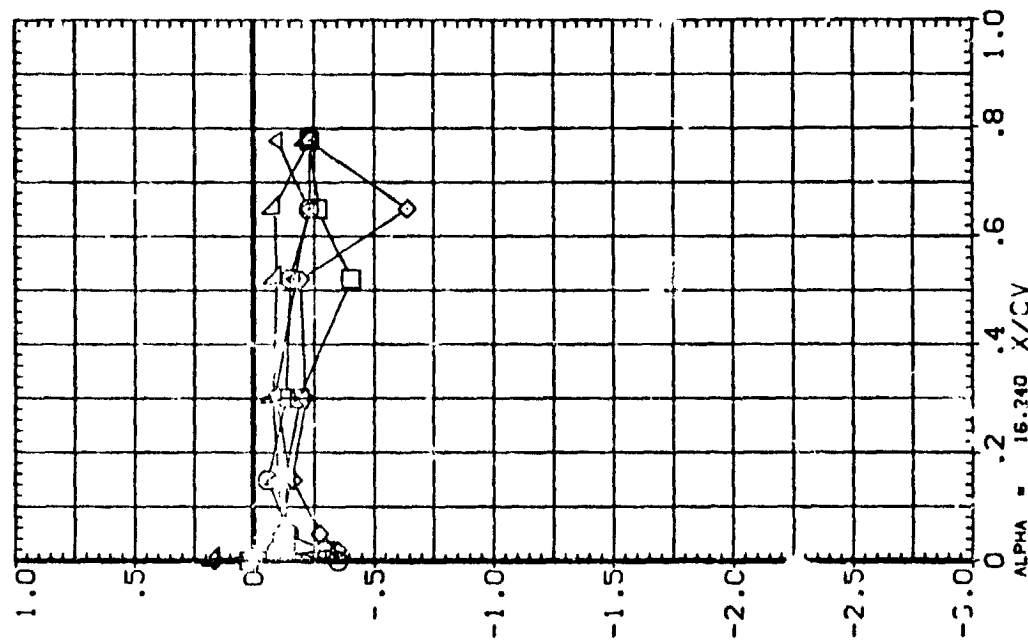
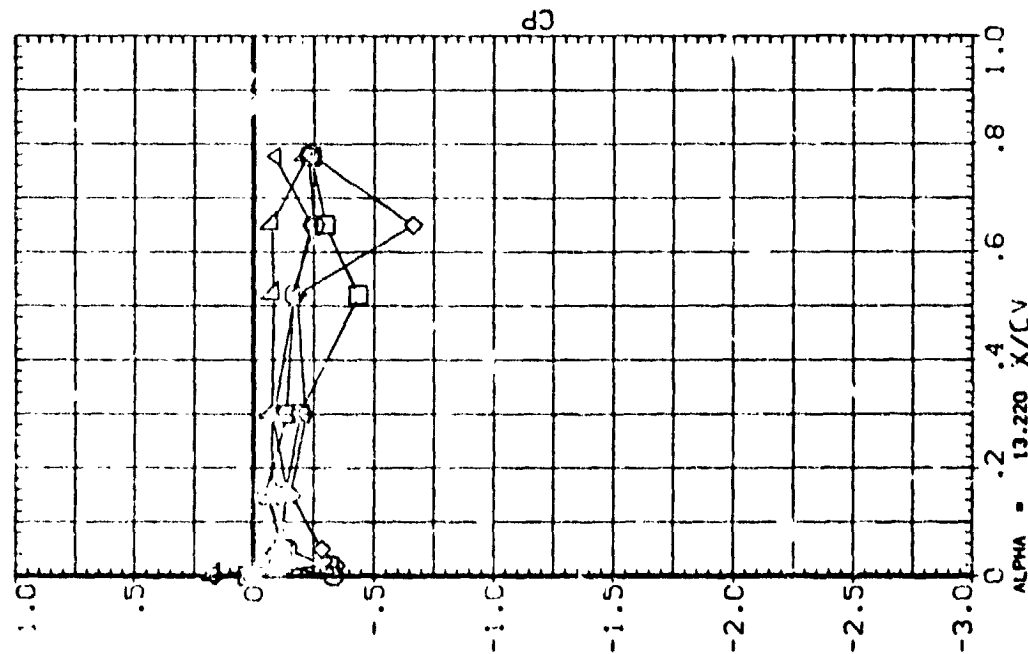


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION. RUDDER EFFECT, BETA = 0

SE-4 = -.010 Z/BV = .840

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS 100%

DATA SET 5 301
 (R03.24)
 (R03.16)
 (R03.13)
 (R03.16)
 (R03.13)

CONFIGURATION DESCRIPTION
 826000: 54758116526V65X9 LEFT VERTICAL
 826000: 54758116526V65X9 LEFT VERTICAL
 826000: 54758116526V65X9 LEFT VERTICAL
 826000: 54758116526V65X9 LEFT VERTICAL
 826000: 54758116526V65X9 RIGHT VERTICAL
 826000: 54758116526V65X9 RIGHT VERTICAL

BETA RUDER ELEVON
 .000 .000 .000
 .000 .000 .000
 .000 .000 .000
 .000 .000 .000
 .000 .000 .000

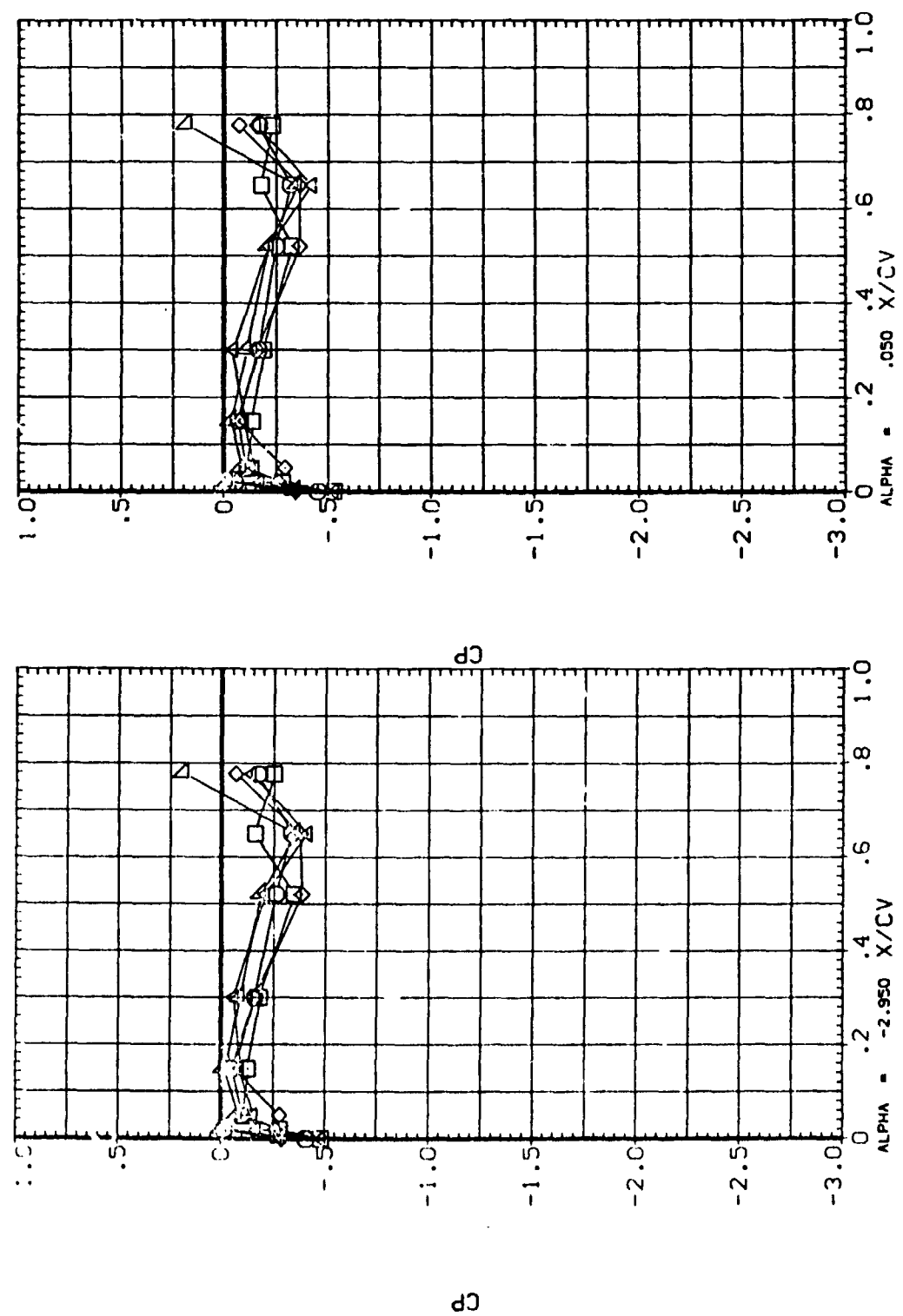


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 Z/BV = .925

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P03V04) B26C93 5M7F8 116E26V8P5X9 LEFT VERTICAL
 (P03V16) B26C93 5M7F8 116E26V8P5X9 LEFT VERTICAL
 (P03V13) B26C93 5M7F8 116E26V8P5X9 LEFT VERTICAL
 (P03V16) B26C93 5M7F8 116E26V8P5X9 RIGHT VERTICAL
 (P03V13) B26C93 5M7F8 116E26V8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

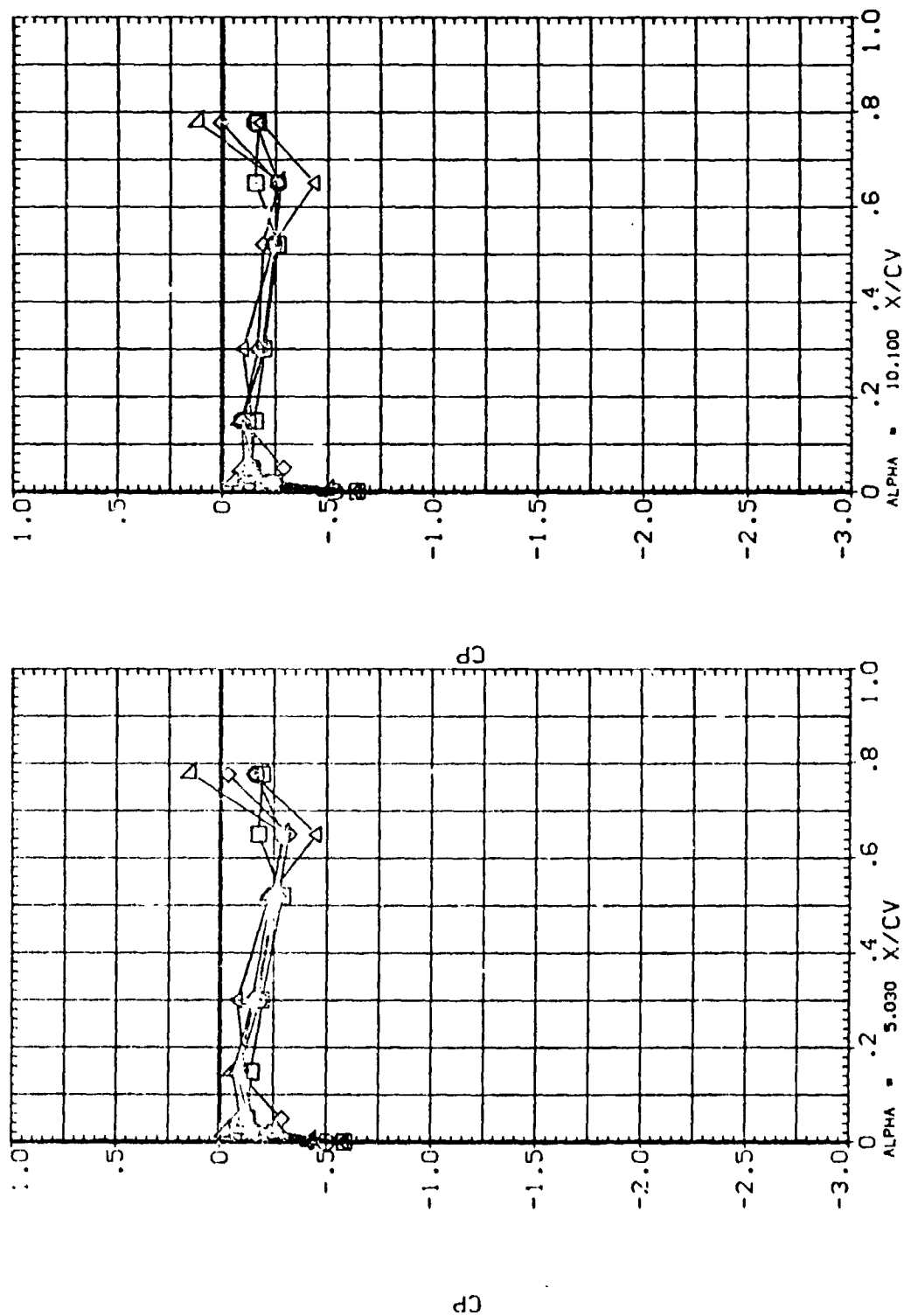


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (000004) B260915M768W116E26V85X9 LEFT VERTICAL
 (000016) B260915M768W116E26V85X9 LEFT VERTICAL
 (000013) B260915M768W116E26V85X9 LEFT VERTICAL
 (000016) B260915M768W116E26V85X9 RIGHT VERTICAL
 (000013) B260915M768W116E26V85X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

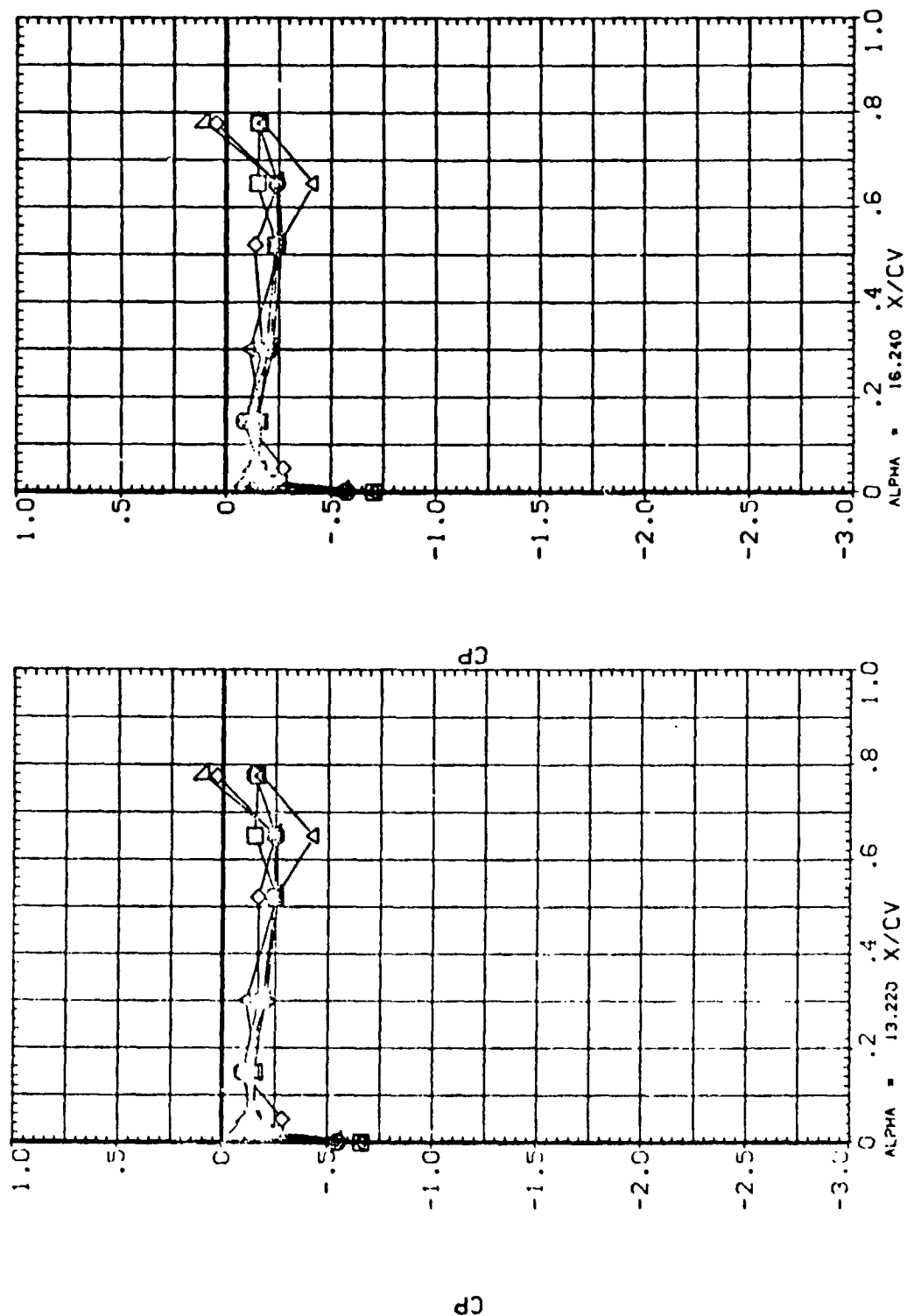


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 Z/2Y = .925

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

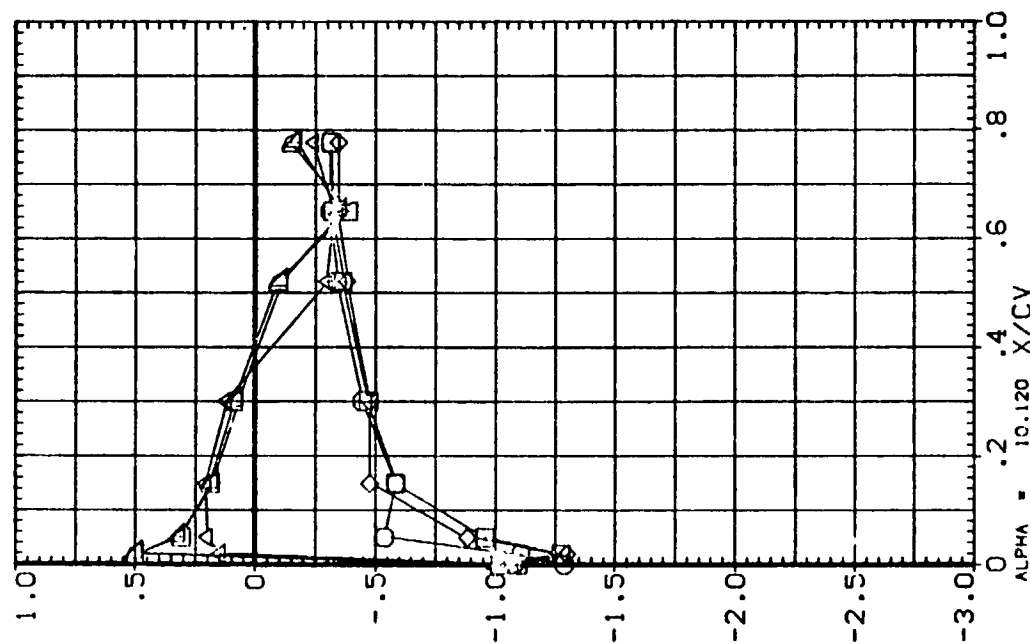
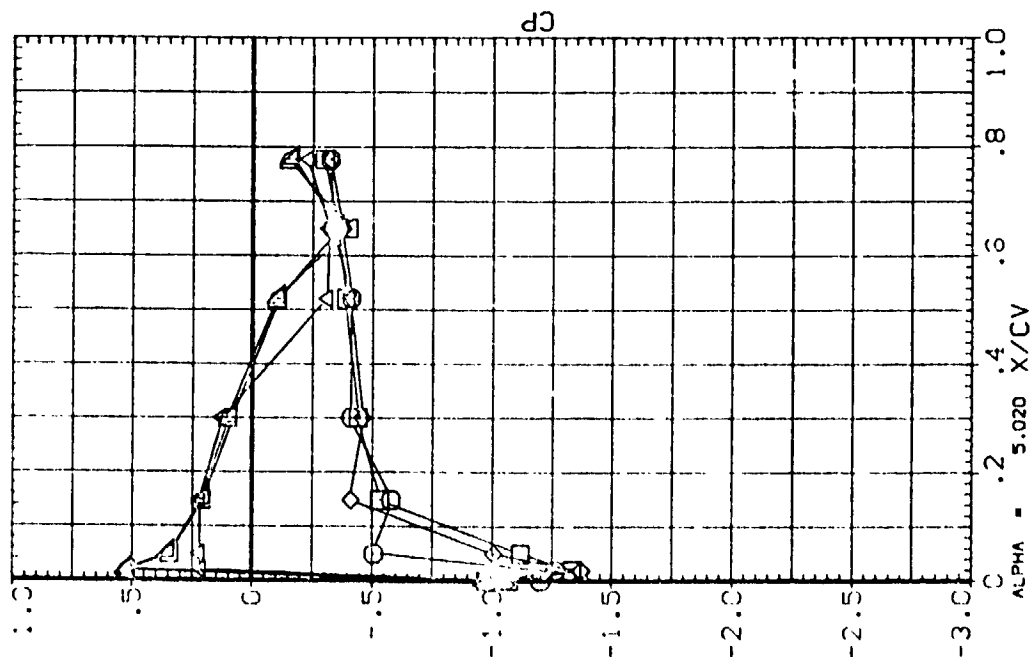


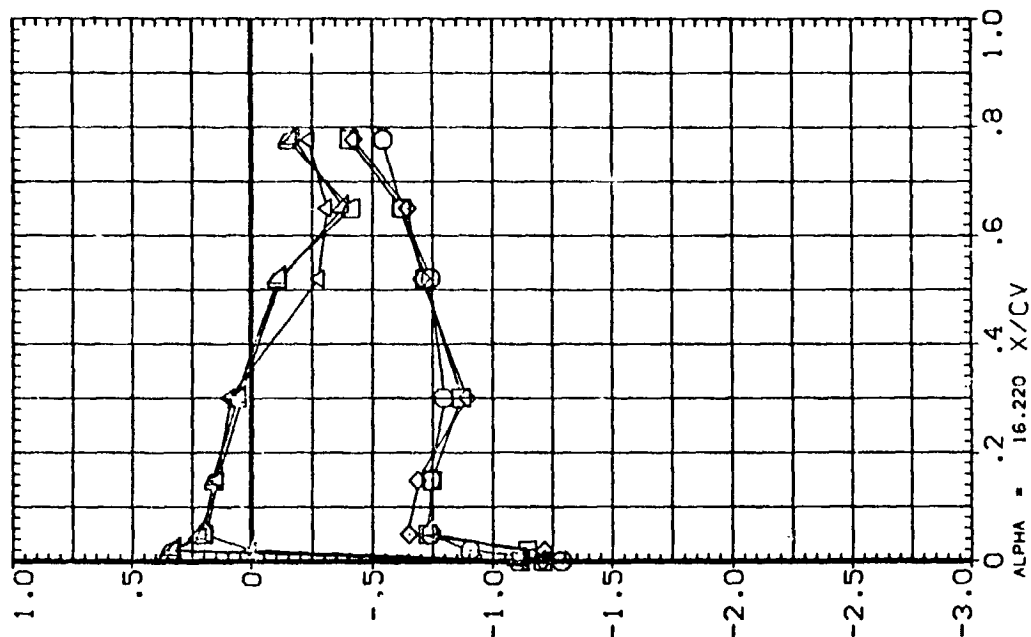
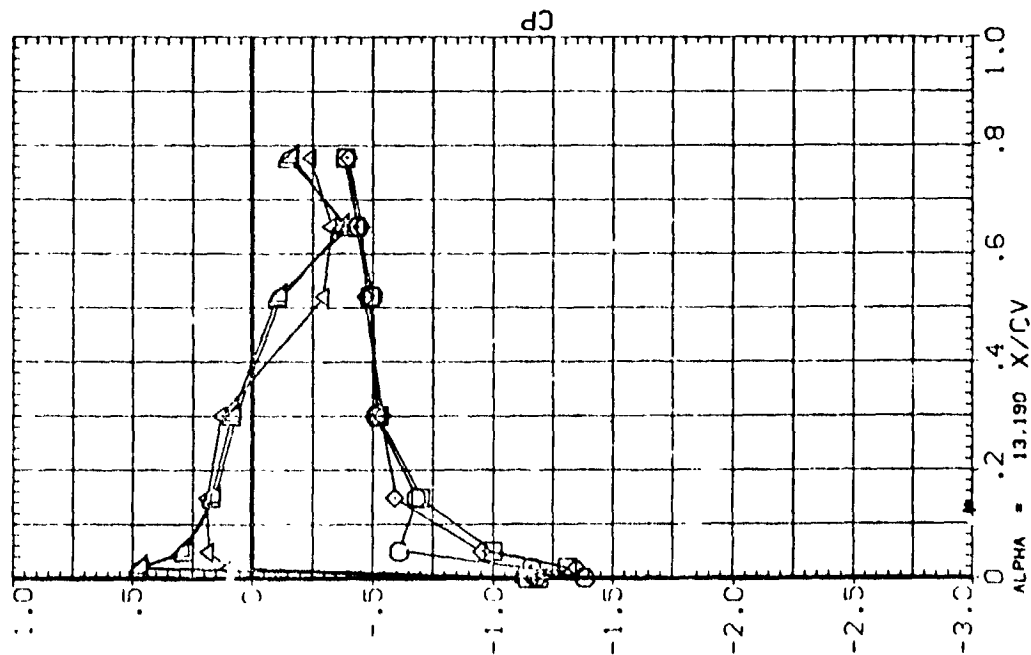
FIG. 39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10$

$$E_A = 10.050 \text{ Z'8V} = .158$$

PAGE 404

DATA SET 5-93C1 CONFIGURATION DESCRIPTION
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 RIGHT VERTICAL
 8263315M758W116E26V85X9 RIGHT VERTICAL
 8263315M758W116E26V85X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000



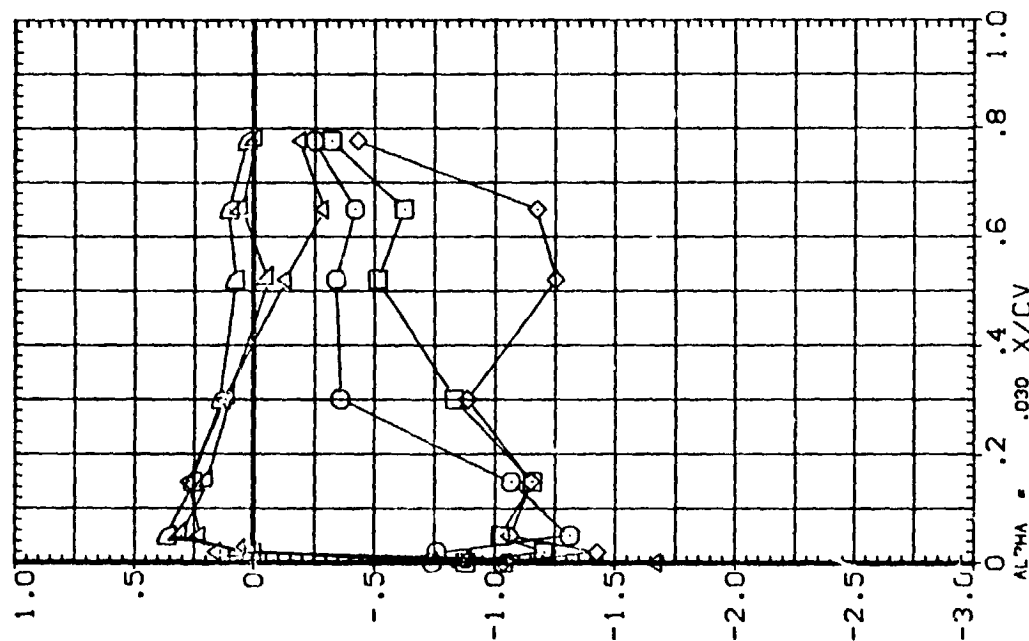
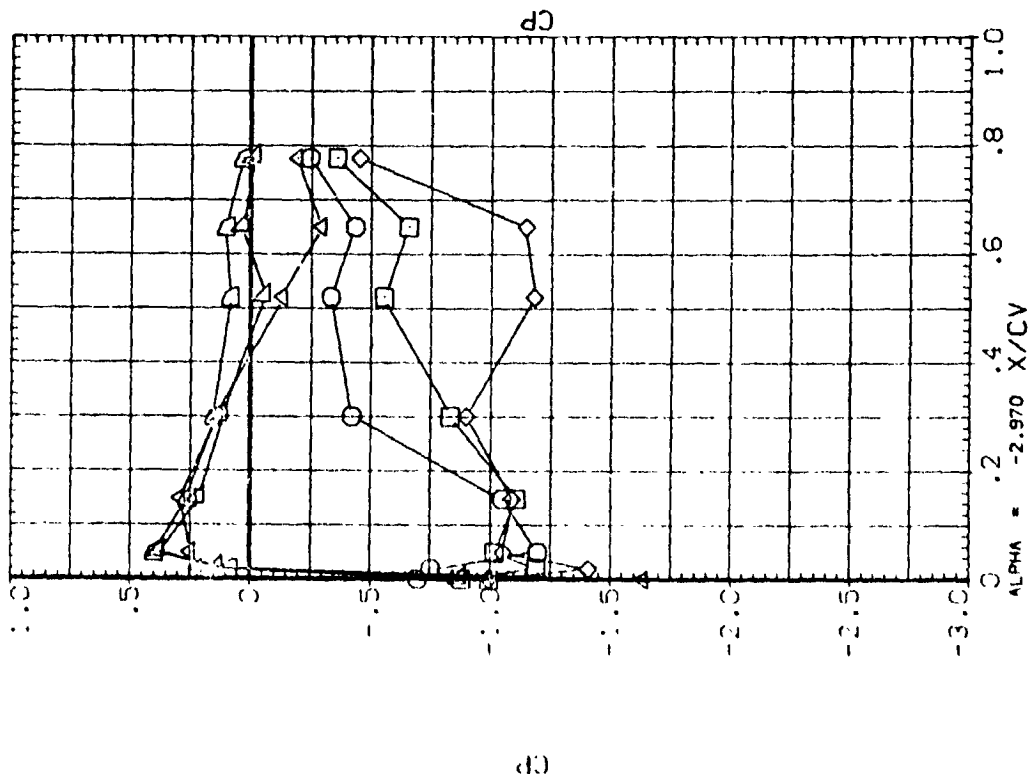
REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 ALPHA = 10.050 Z/BV = .158
 PAGE 405

CONFIDENTIALITY DESCRIPTION:

[illegible]

BETA	RUGGER	ELEVEN
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000



39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10$

$$\frac{1}{1.316} = 0.76 \quad Z/B^2 = .316$$

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

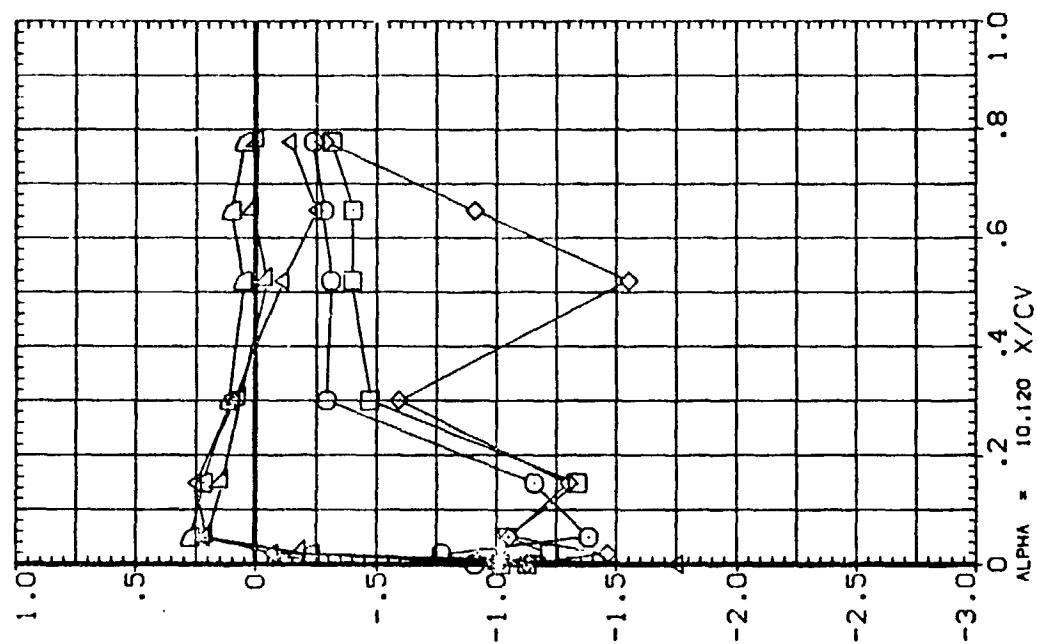
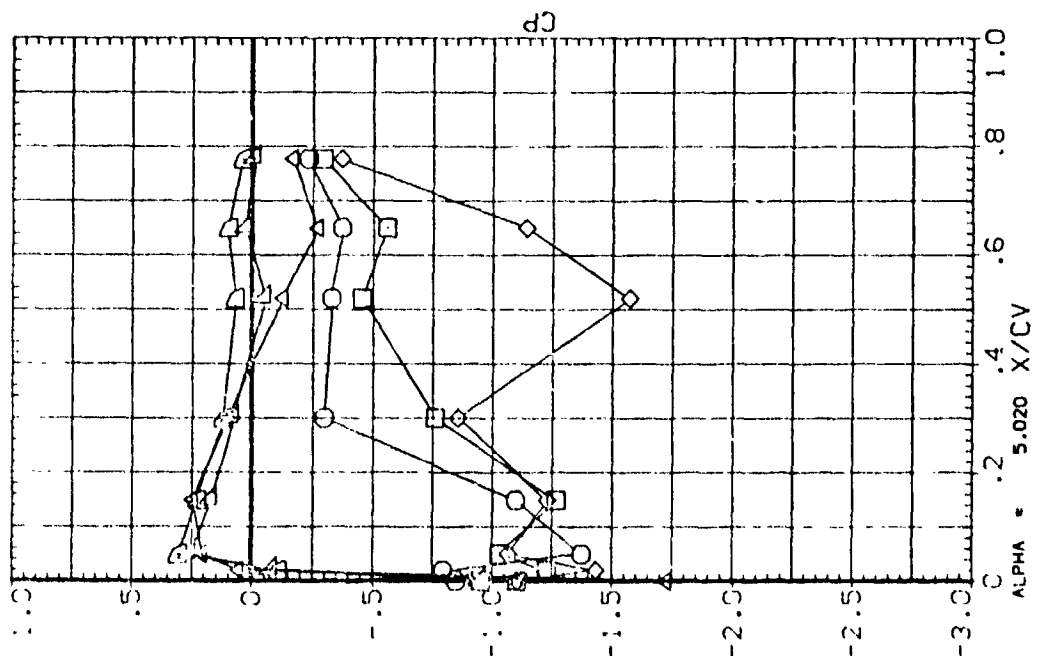


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10^\circ$
 $z/bv = 10.050$ $z/bv = .316$ PAGE 407

DATA SET SYMBOL

(R02V05)
(R02V17)
(R02V14)
(R02V03)
(R02V17)
(R02V14)

CONFIGURATION DESCRIPTION

B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 RIGHT VERTICAL
B26C9315M7F8W116E26V8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON

10.000 .000
10.000 .000
10.000 -7.500
10.000 -15.000
-10.000 .000
-10.000 .000
10.000 -7.500
10.000 -15.000

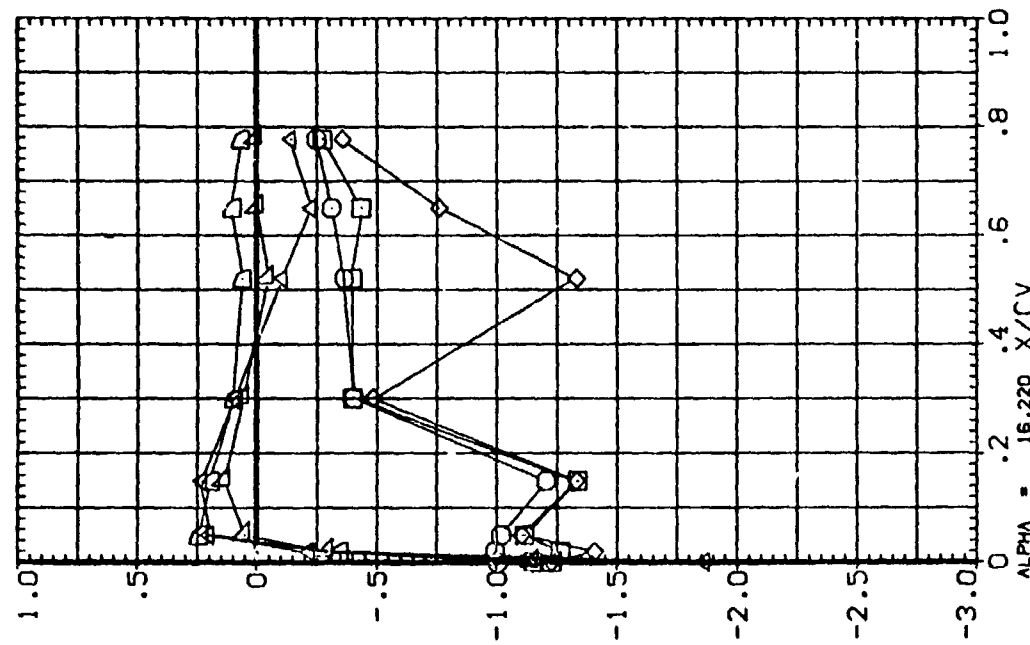
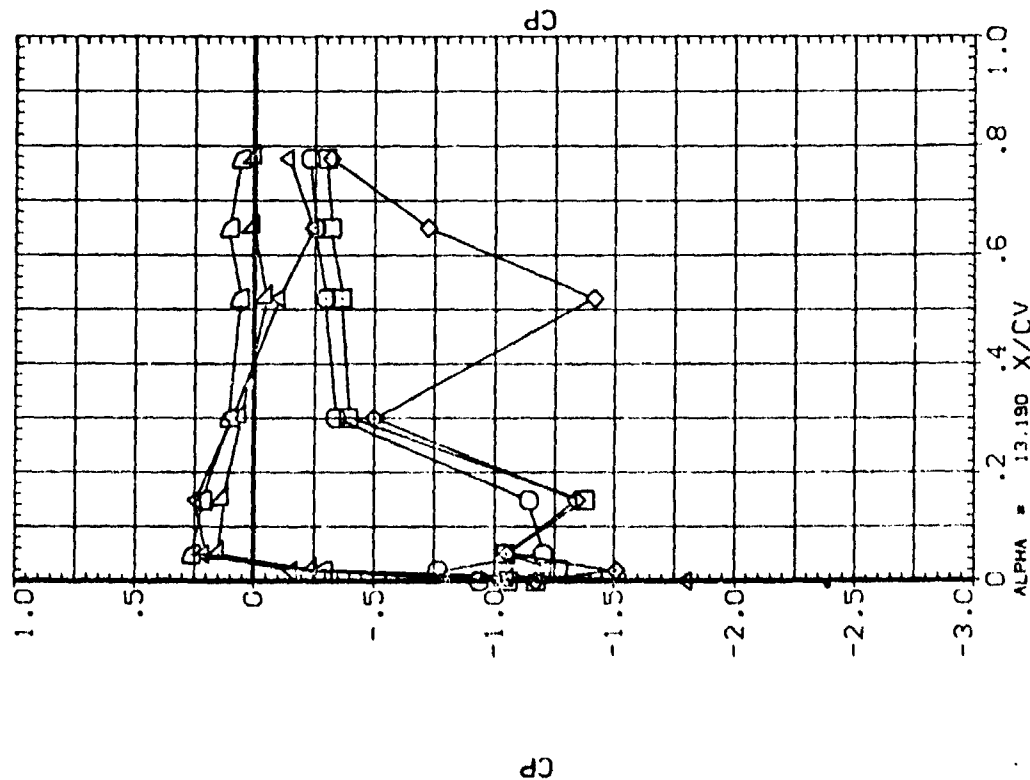


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Z/BV = .316

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

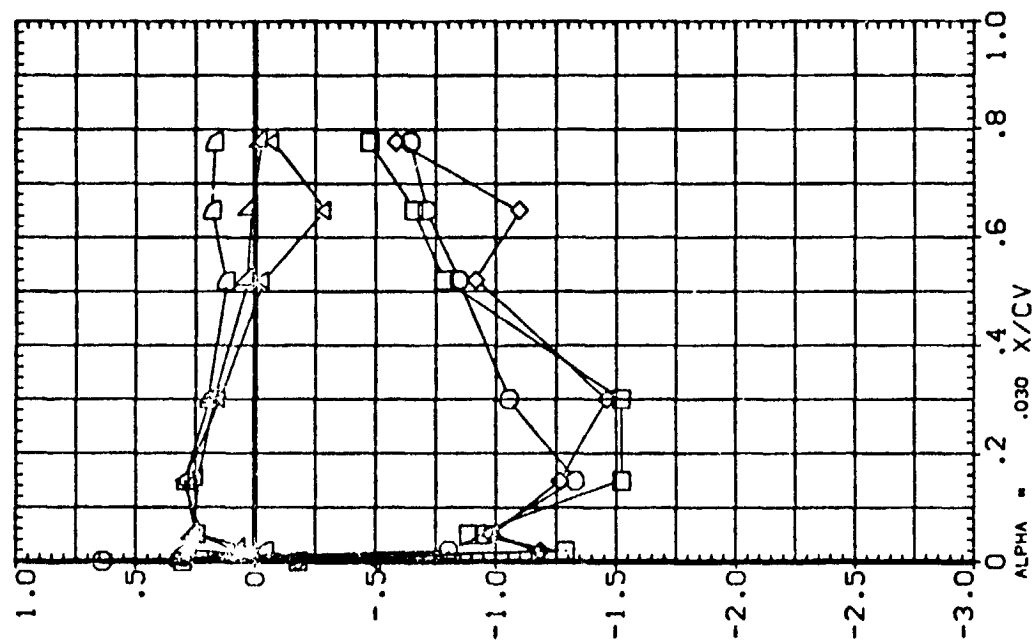
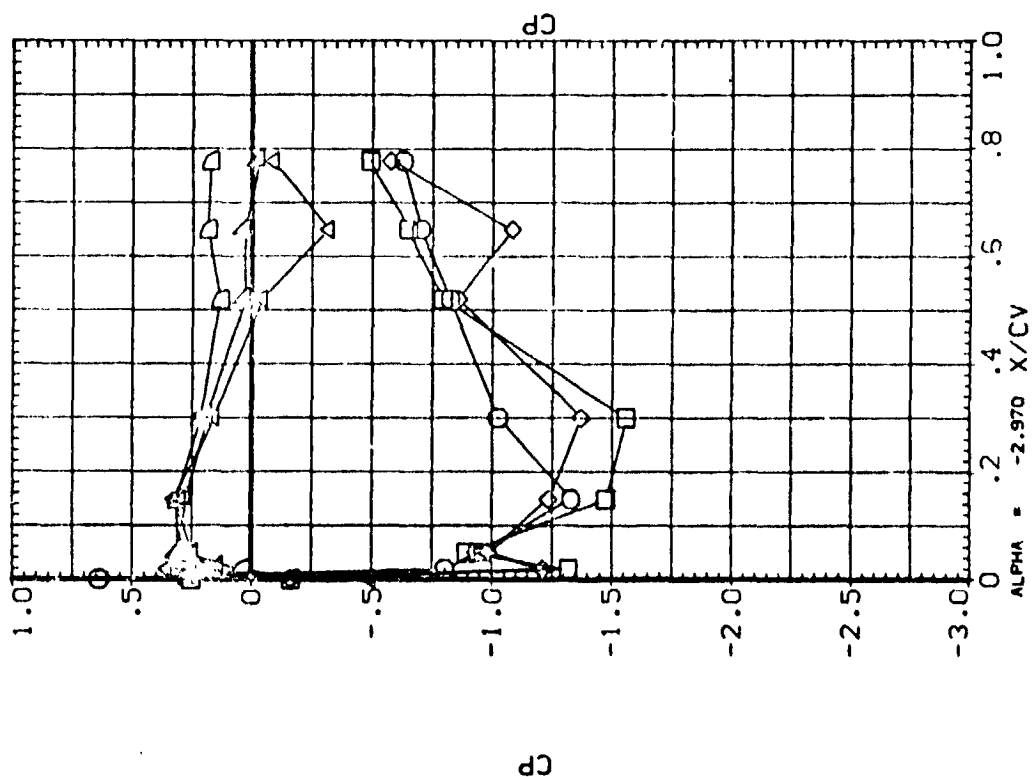


FIG. 39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = +10$

$$EE-A = 10.050 \quad Z/3V = .600$$

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

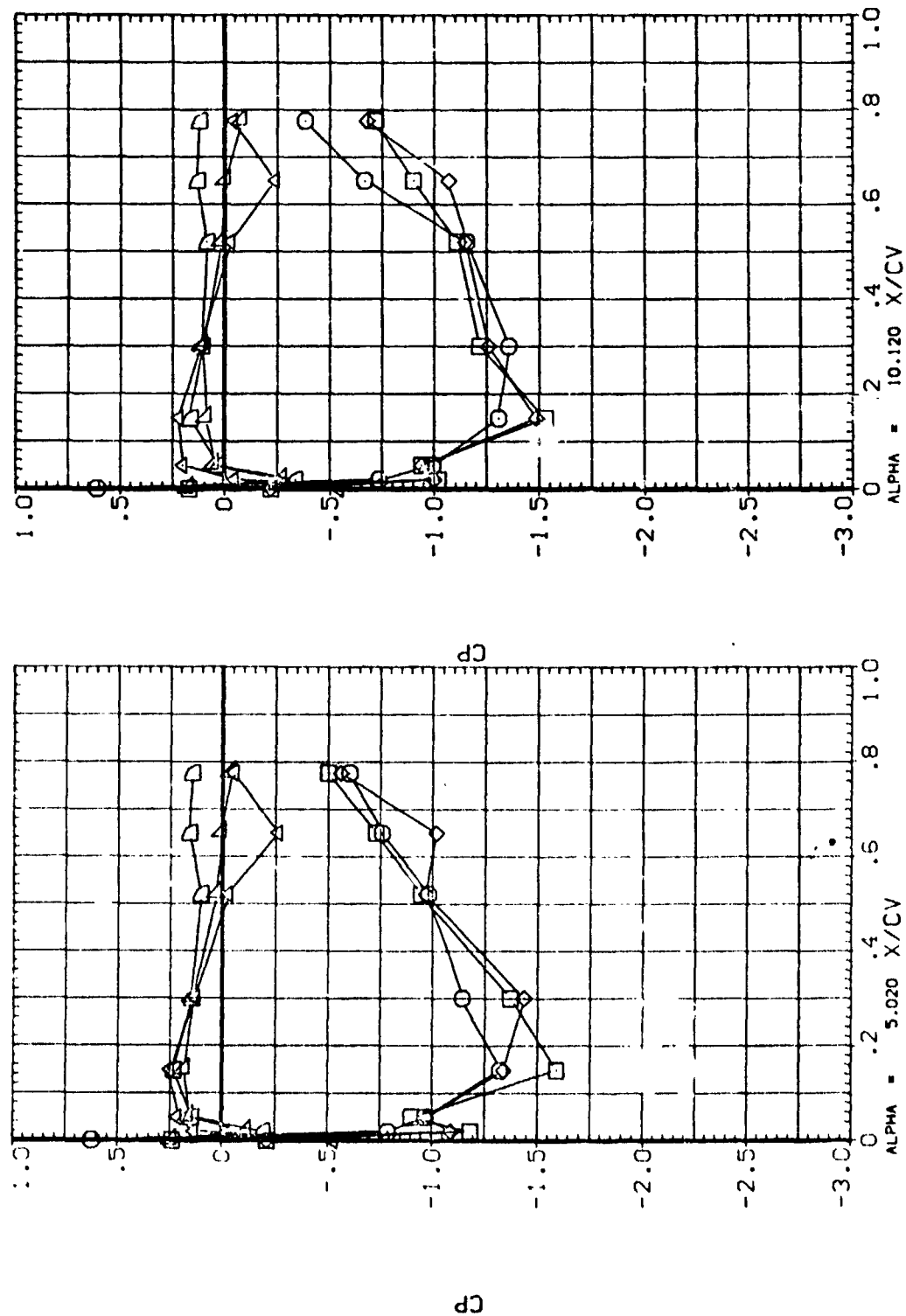
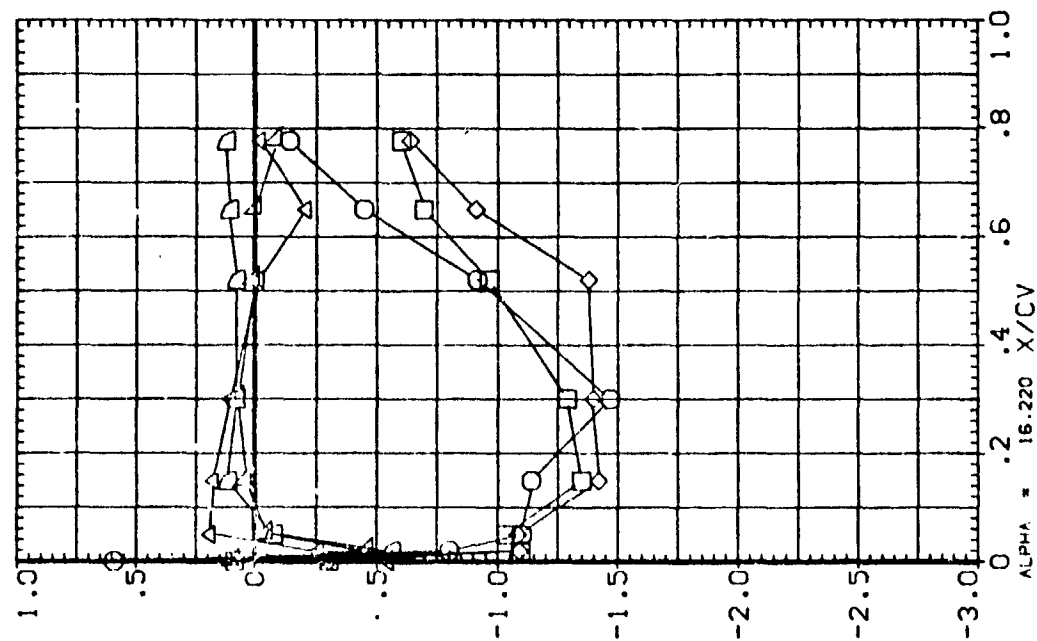
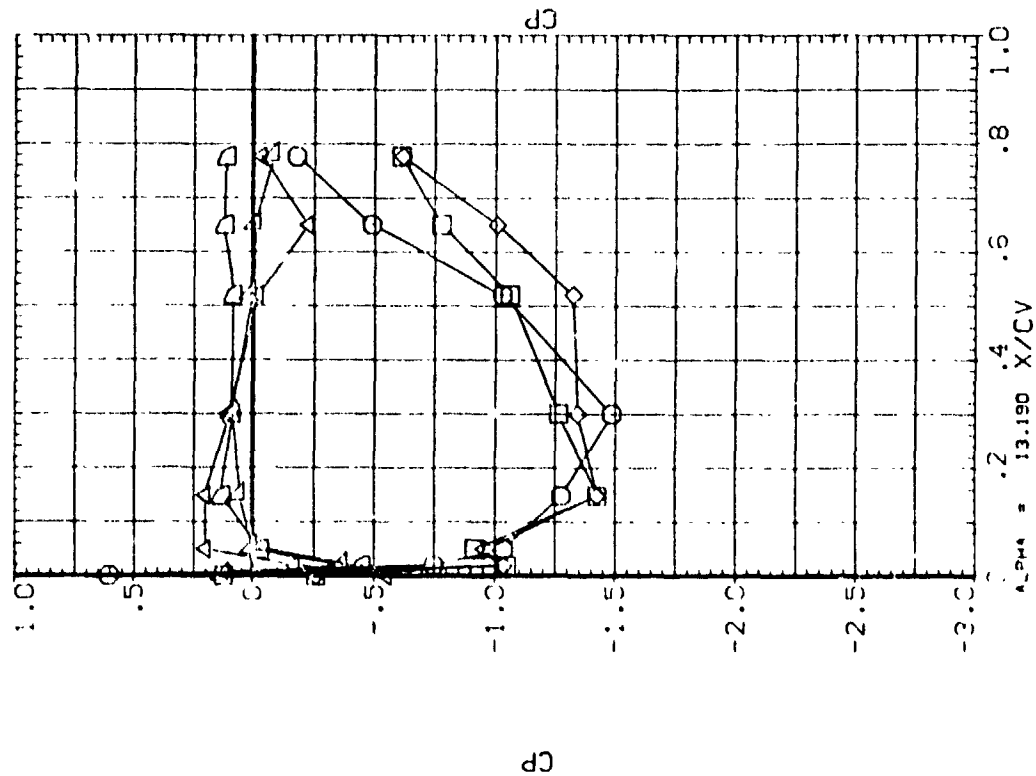


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10$

$\beta = +10$	$Z/BV = .600$	PAGE 410
---------------	---------------	----------

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

FIG. 39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = +10$

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (000000) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (000001) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (000002) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (000003) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (000004) B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 (000005) B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL
 (000006) B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000

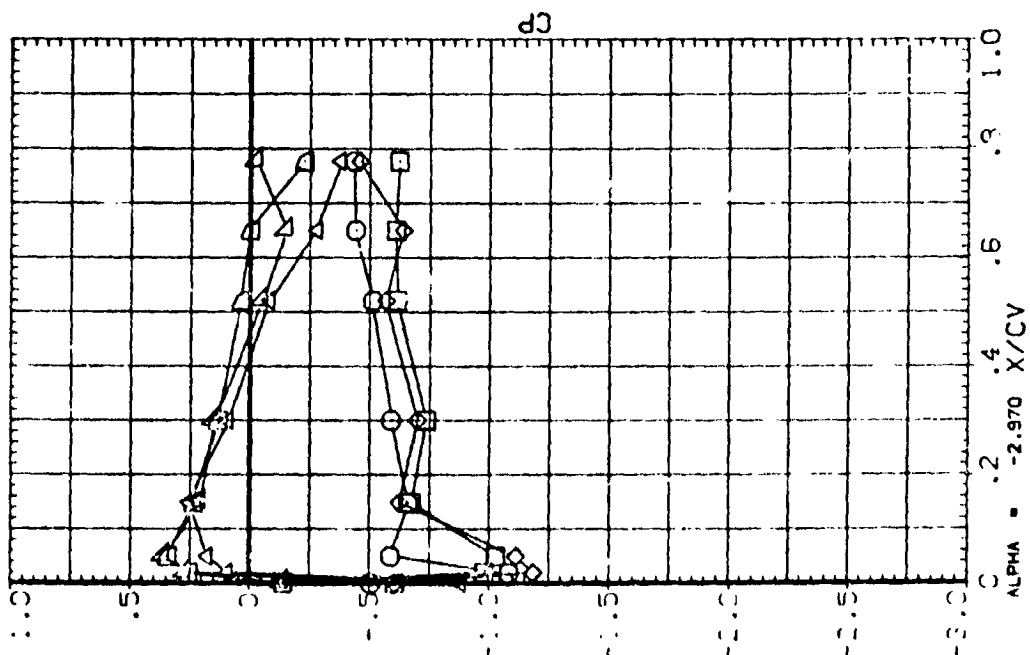
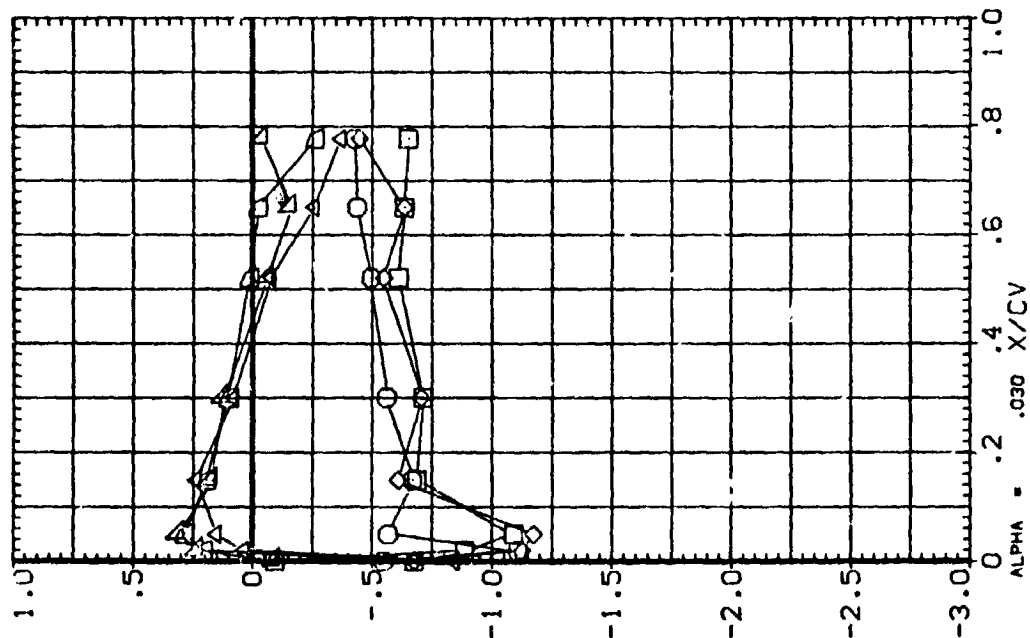


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 ALPHA = -2.970 X/CV
 Z/BV = 10.050 Z/BV = .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00V05) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00V17) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00V14) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00V03) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00R17) B26C931S47F8V116E26V8R5X9 RIGHT VERTICAL
 (R00R14) B26C931S47F8V116E26V8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 10.000 .000
 10.000 -7.500
 10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000

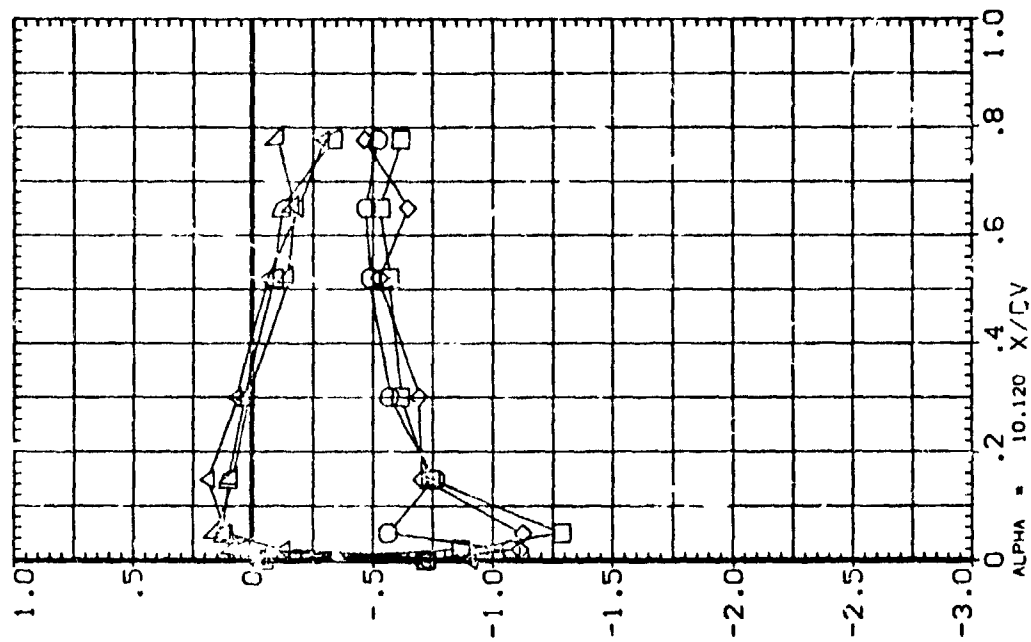
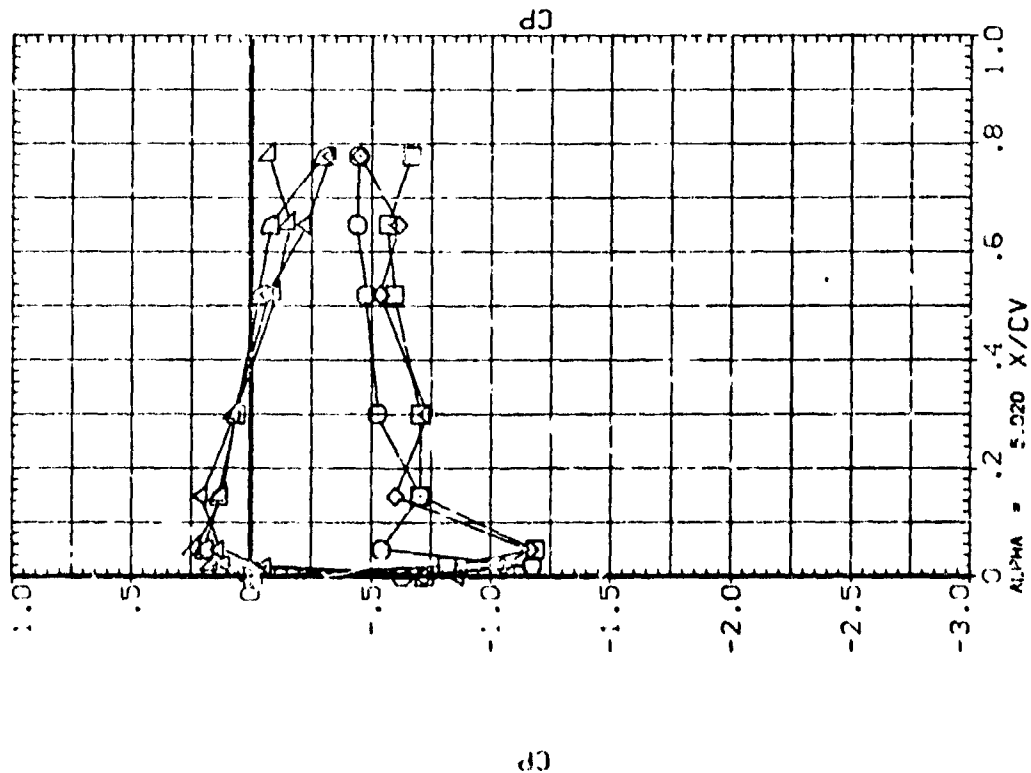


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 REEF = 10.050 Z/BV = .840

DATA SET SYMBOL CORRELATION DESCRIPTION
 (000000) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000001) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000002) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000003) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000004) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000005) B2603015M78M116E16.85X9 RIGHT VERTICAL
 (000006) B2603015M78M116E16.85X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 10.000 .000
 10.000 .000
 10.000 .000
 10.000 .000
 10.000 .000
 10.000 .000
 10.000 .000

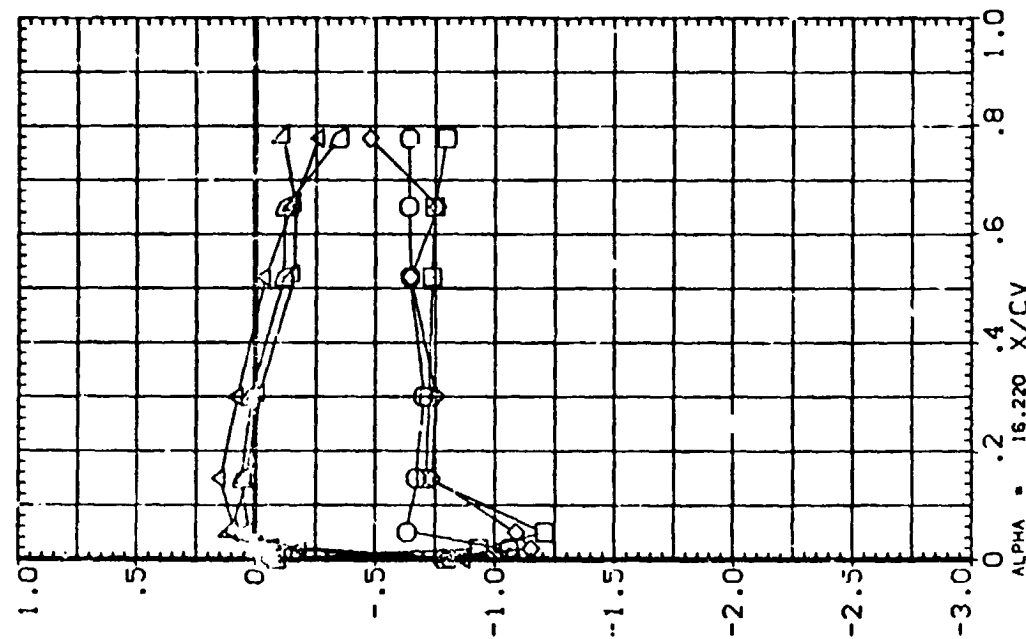
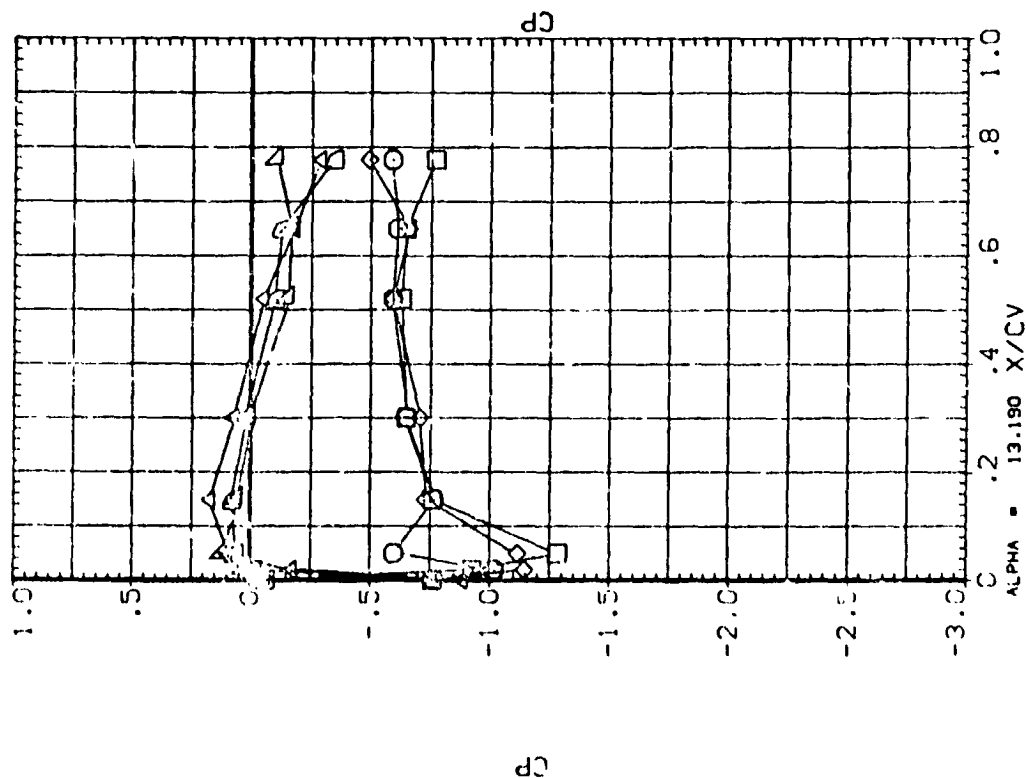
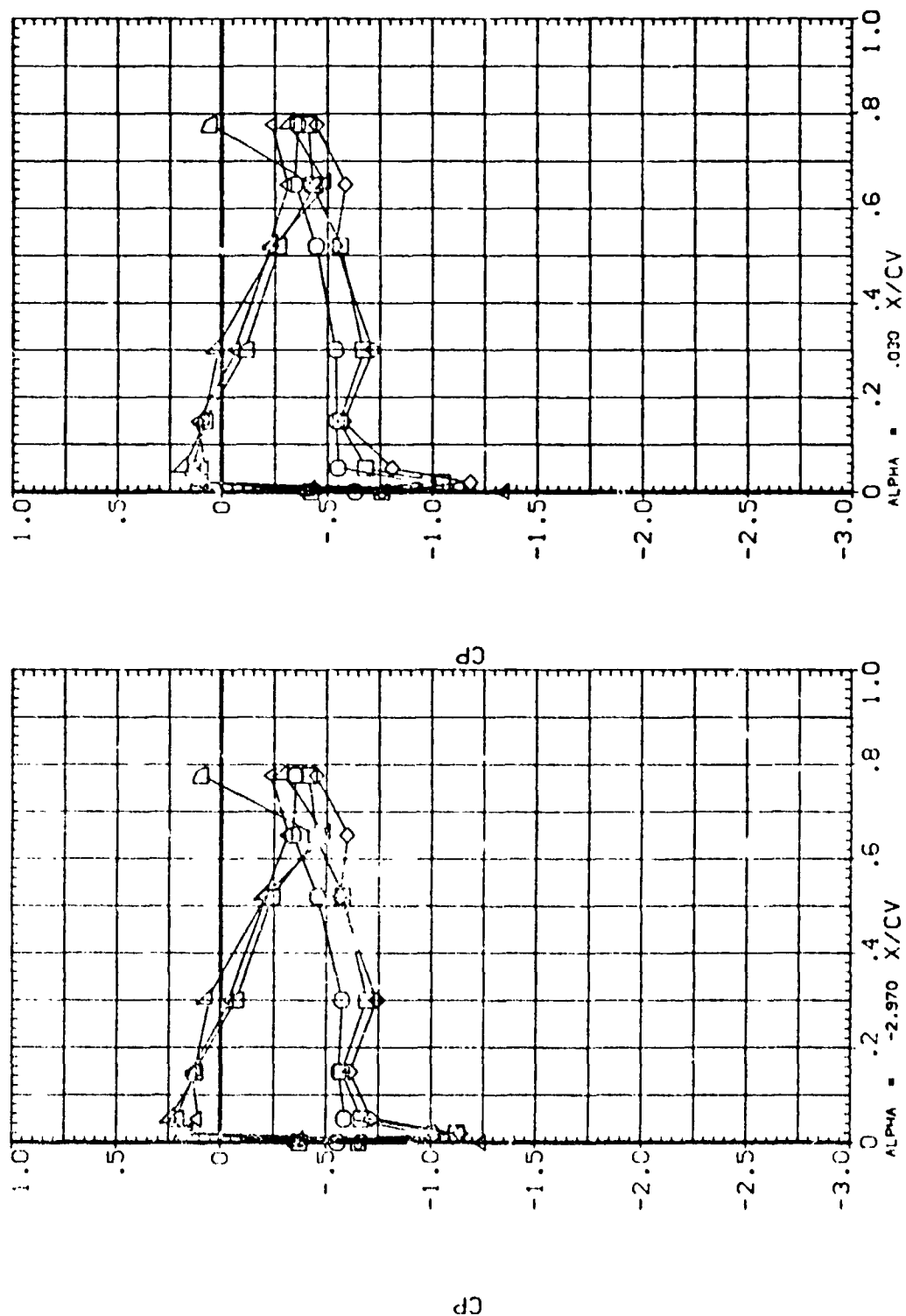


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 BETA = 10.050 Z/BV = .840

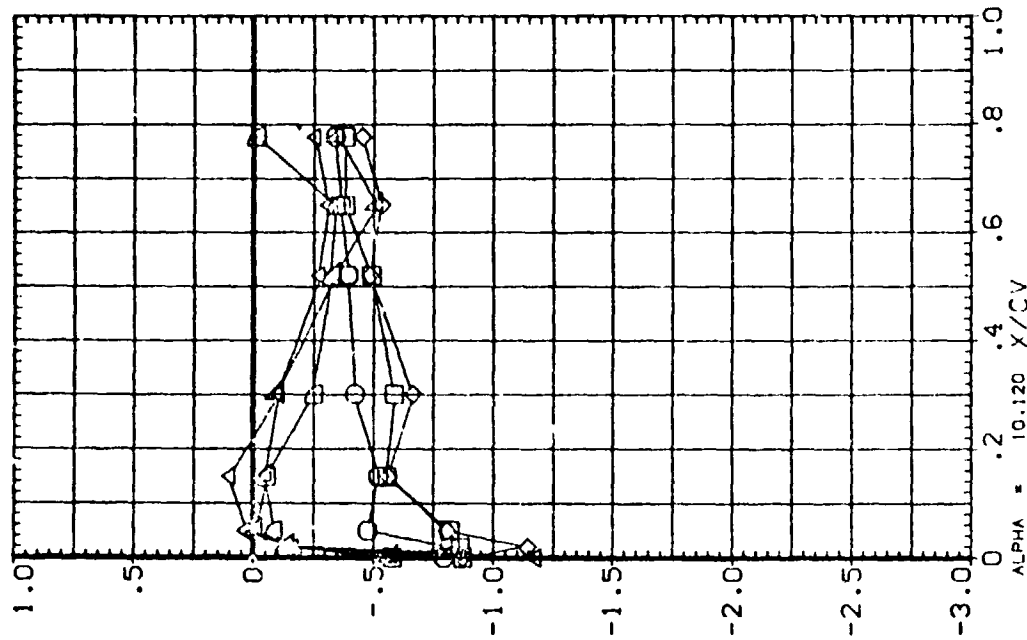
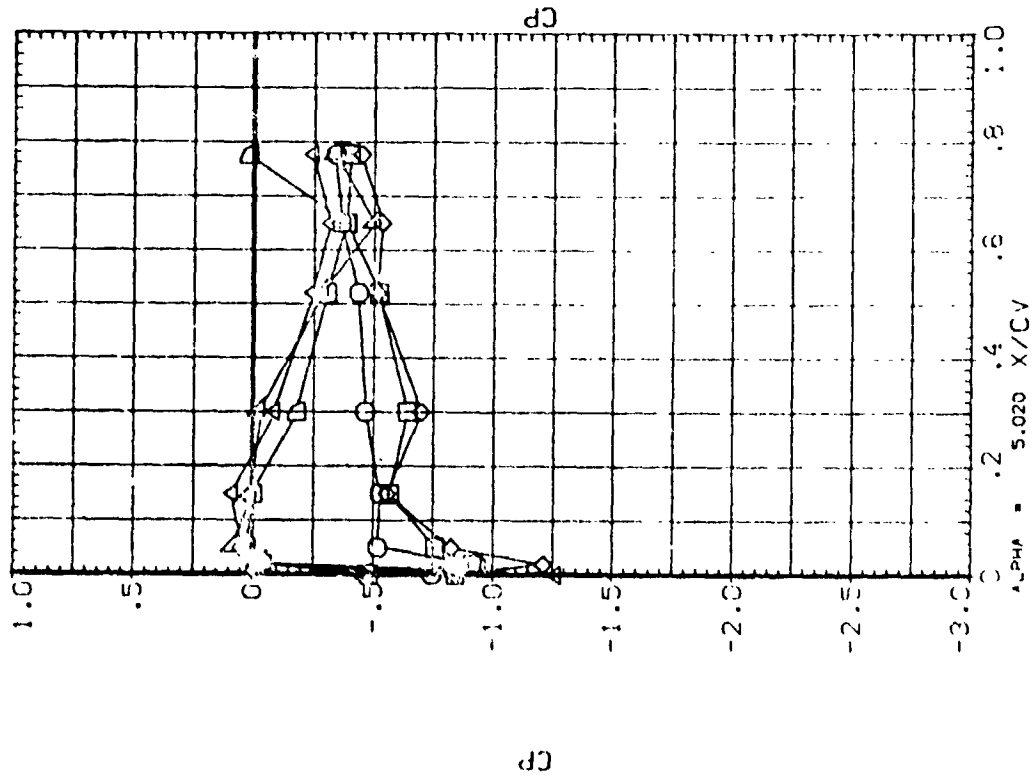
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(P00V05)	B26C0015478#116E26V85X9	10.000	.000	.000
(P00V17)	B26C0015478#116E26V85X9	10.000	-7.500	.000
(P00V14)	B26C0015478#116E26V85X9	10.000	-15.000	.000
(P00V03)	B26C0015478#116E26V85X9	10.000	.000	.000
(P00V17)	B26C0015478#116E26V85X9	10.000	-7.500	.000
(P00V14)	B26C0015478#116E26V85X9	10.000	-15.000	.000



REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION. RUDDER EFFECT, BETA = +10

BEA	PLDGER	ELEV
10.000	0.00	0.00
10.000	-7.500	0.00
10.000	-15.000	0.00
10.000	-7.500	0.00
10.000	-15.000	0.00



F.S. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10^\circ$

SECTOR	= 0.050	Z/BV	= .925	F-GE	416
--------	---------	------	--------	------	-----

[illegible]

2000
 2001
 2002
 2003
 2004
 2005
 2006
 2007
 2008
 2009
 2010
 2011
 2012
 2013
 2014
 2015
 2016
 2017
 2018
 2019
 2020
 2021
 2022
 2023
 2024
 2025
 2026
 2027
 2028
 2029
 2030
 2031
 2032
 2033
 2034
 2035
 2036
 2037
 2038
 2039
 2040
 2041
 2042
 2043
 2044
 2045
 2046
 2047
 2048
 2049
 2050
 2051
 2052
 2053
 2054
 2055
 2056
 2057
 2058
 2059
 2060
 2061
 2062
 2063
 2064
 2065
 2066
 2067
 2068
 2069
 2070
 2071
 2072
 2073
 2074
 2075
 2076
 2077
 2078
 2079
 2080
 2081
 2082
 2083
 2084
 2085
 2086
 2087
 2088
 2089
 2090
 2091
 2092
 2093
 2094
 2095
 2096
 2097
 2098
 2099
 2100
 2101
 2102
 2103
 2104
 2105
 2106
 2107
 2108
 2109
 2110
 2111
 2112
 2113
 2114
 2115
 2116
 2117
 2118
 2119
 2120
 2121
 2122
 2123
 2124
 2125
 2126
 2127
 2128
 2129
 2130
 2131
 2132
 2133
 2134
 2135
 2136
 2137
 2138
 2139
 2140
 2141
 2142
 2143
 2144
 2145
 2146
 2147
 2148
 2149
 2150
 2151
 2152
 2153
 2154
 2155
 2156
 2157
 2158
 2159
 2160
 2161
 2162
 2163
 2164
 2165
 2166
 2167
 2168
 2169
 2170
 2171
 2172
 2173
 2174
 2175
 2176
 2177
 2178
 2179
 2180
 2181
 2182
 2183
 2184
 2185
 2186
 2187
 2188
 2189
 2190
 2191
 2192
 2193
 2194
 2195
 2196
 2197
 2198
 2199
 2200
 2201
 2202
 2203
 2204
 2205
 2206
 2207
 2208
 2209
 2210
 2211
 2212
 2213
 2214
 2215
 2216
 2217
 2218
 2219
 2220
 2221
 2222
 2223
 2224
 2225
 2226
 2227
 2228
 2229
 2230
 2231
 2232
 2233
 2234
 2235
 2236
 2237
 2238
 2239
 2240
 2241
 2242
 2243
 2244
 2245
 2246
 2247
 2248
 2249
 2250
 2251
 2252
 2253
 2254
 2255
 2256
 2257
 2258
 2259
 2260
 2261
 2262
 2263
 2264
 2265
 2266
 2267
 2268
 2269
 2270
 2271
 2272
 2273
 2274
 2275
 2276
 2277
 2278
 2279
 2280
 2281
 2282
 2283
 2284
 2285
 2286
 2287
 2288
 2289
 2290
 2291
 2292
 2293
 2294
 2295
 2296
 2297
 2298
 2299
 2300
 2301
 2302
 2303
 2304
 2305
 2306
 2307
 2308
 2309
 2310
 2311
 2312
 2313
 2314
 2315
 2316
 2317
 2318
 2319
 2320
 2321
 2322
 2323
 2324
 2325
 2326
 2327
 2328
 2329
 2330
 2331
 2332
 2333
 2334
 2335
 2336
 2337
 2338
 2339
 2340
 2341
 2342
 2343
 2344
 2345
 2346
 2347
 2348
 2349
 2350
 2351
 2352
 2353
 2354
 2355
 2356
 2357
 2358
 2359
 2360
 2361
 2362
 2363
 2364
 2365
 2366
 2367
 2368
 2369
 2370
 2371
 2372
 2373
 2374
 2375
 2376
 2377
 2378
 2379
 2380
 2381
 2382
 2383
 2384
 2385
 2386
 2387
 2388
 2389
 2390
 2391
 2392
 2393
 2394
 2395
 2396
 2397
 2398
 2399
 2400
 2401
 2402
 2403
 2404
 2405
 2406
 2407
 2408
 2409
 2410
 2411
 2412
 2413
 2414
 2415
 2416
 2417
 2418
 2419
 2420
 2421
 2422
 2423
 2424
 2425
 2426
 2427
 2428
 2429
 2430
 2431
 2432
 2433
 2434
 2435
 2436
 2437
 2438
 2439
 2440
 2441
 2442
 2443
 2444
 2445
 2446
 2447
 2448
 2449
 2450
 2451
 2452
 2453
 2454

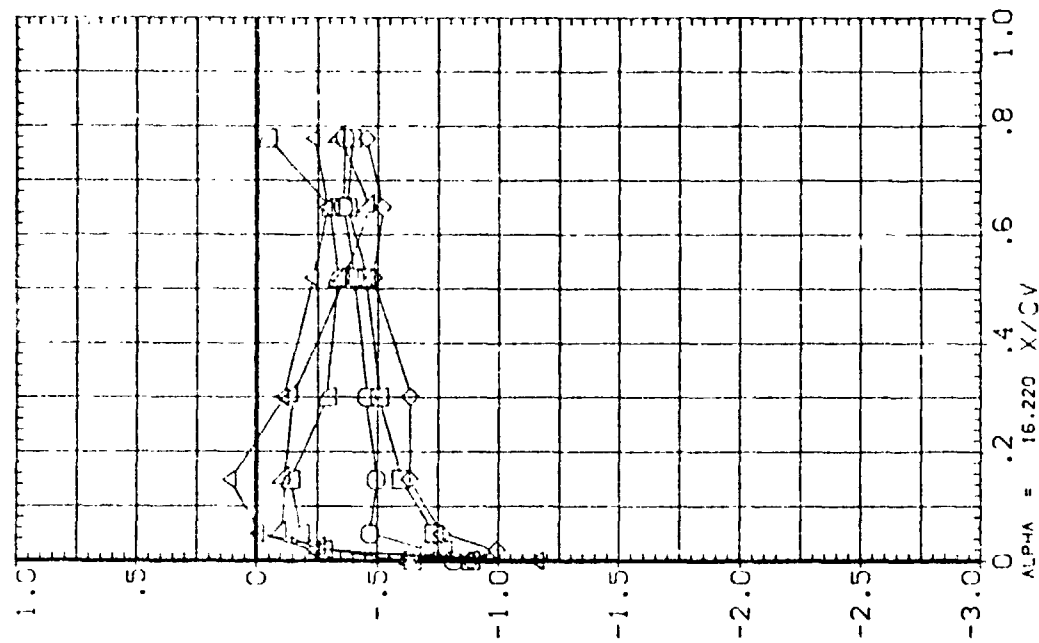
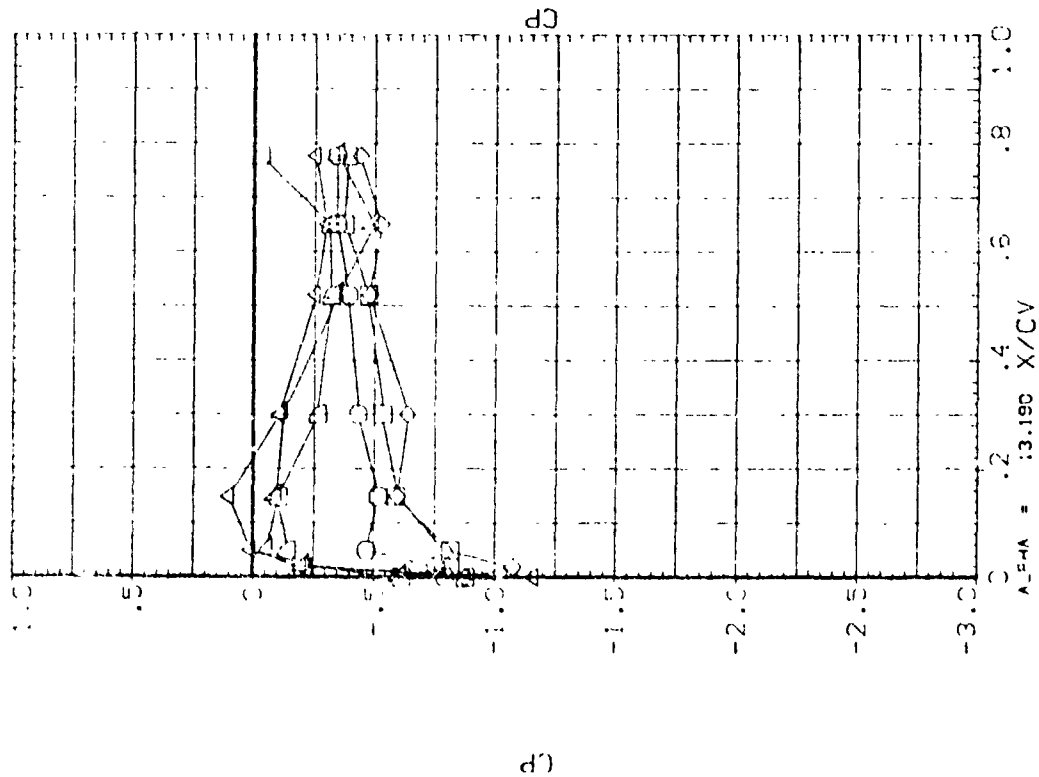


FIG. 39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = +10$

11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525
 526
 527
 528
 529
 530
 531
 532
 533

73

Sym	Symbol	Z/HG	Alpha	Beta	Elevon	BDFlap	PARAMETRIC VALUES
○		.250	-2.380	-10.060	.000		PUDDER
□		.500	.020		-14.250	BETA	-10.000
◇		.750					

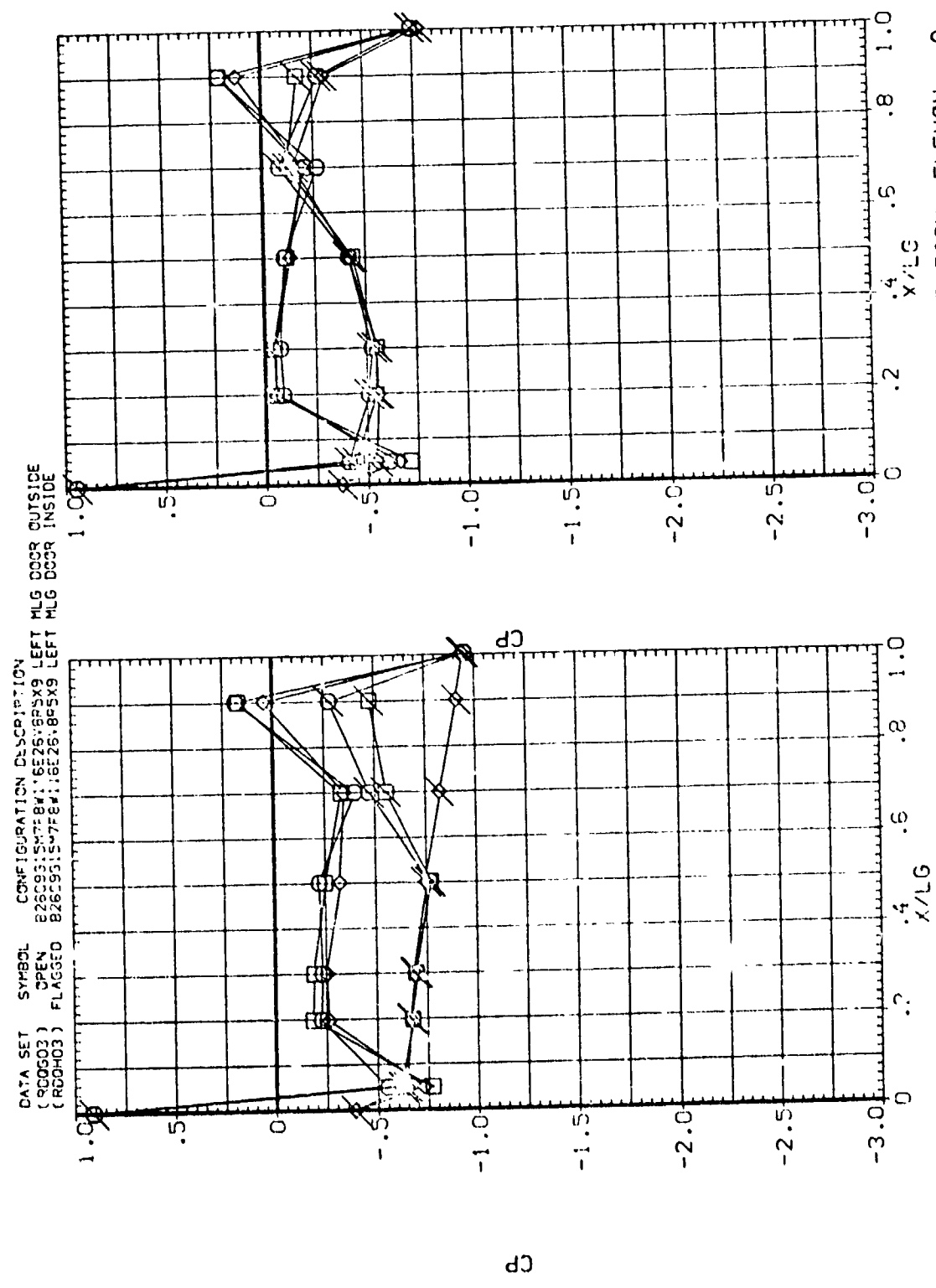


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/LG ALPHA BETA
 .250 5.000 -10.000
 .500 10.000
 .750
 PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOELAP -14.250 BETA -10.000

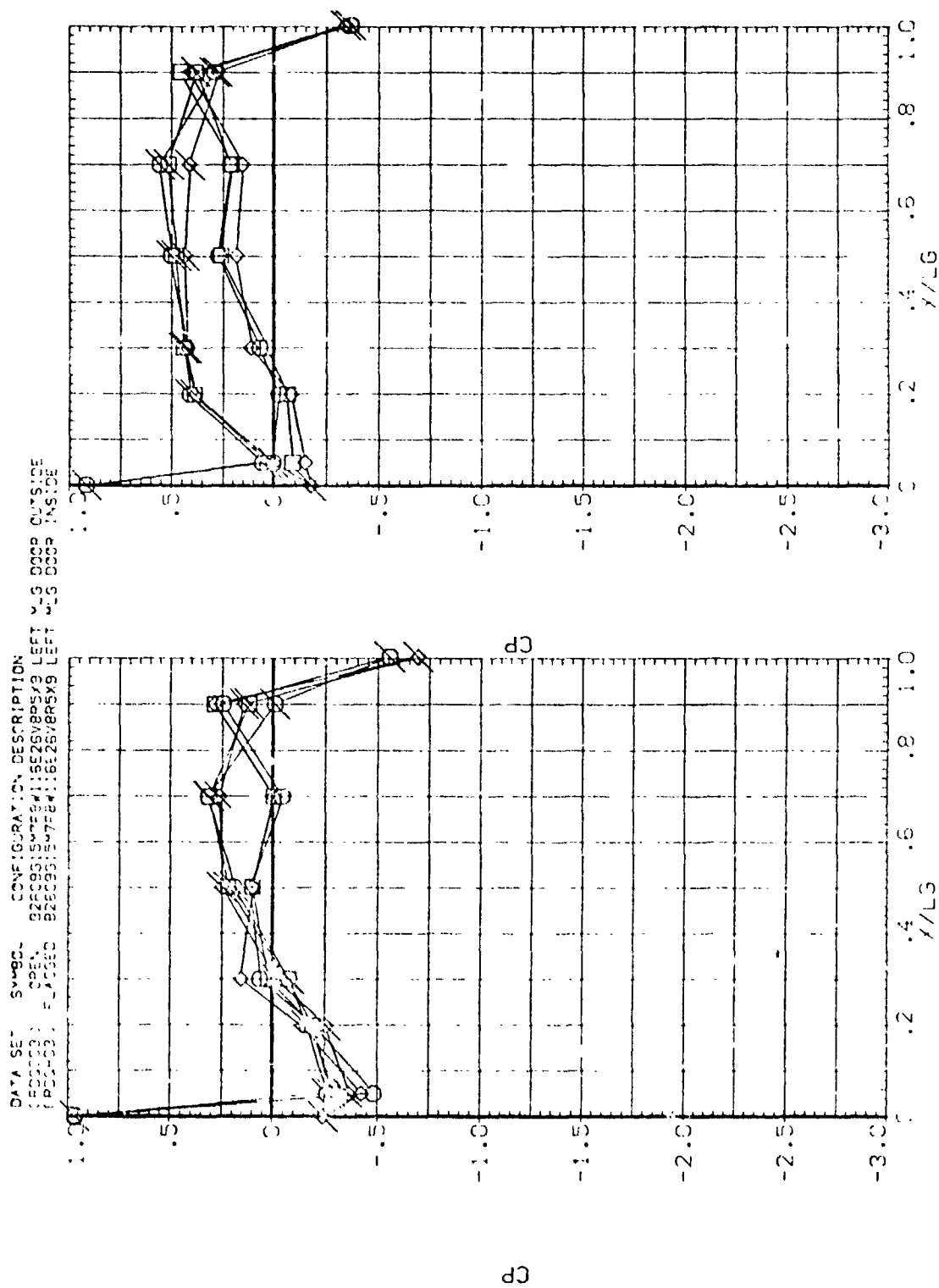


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/HG ALPHA SE" A
 .250 13.19C -10.060
 .500 16.240
 .750

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R02003) OPEN B28001:5E2618P5Y9 LEFT MLG DOOR OUTSIDE
 (R02003) FLAGGED B28130:5-7F8W1:6E2618P5Y9 LEFT MLG DOOR INSIDE

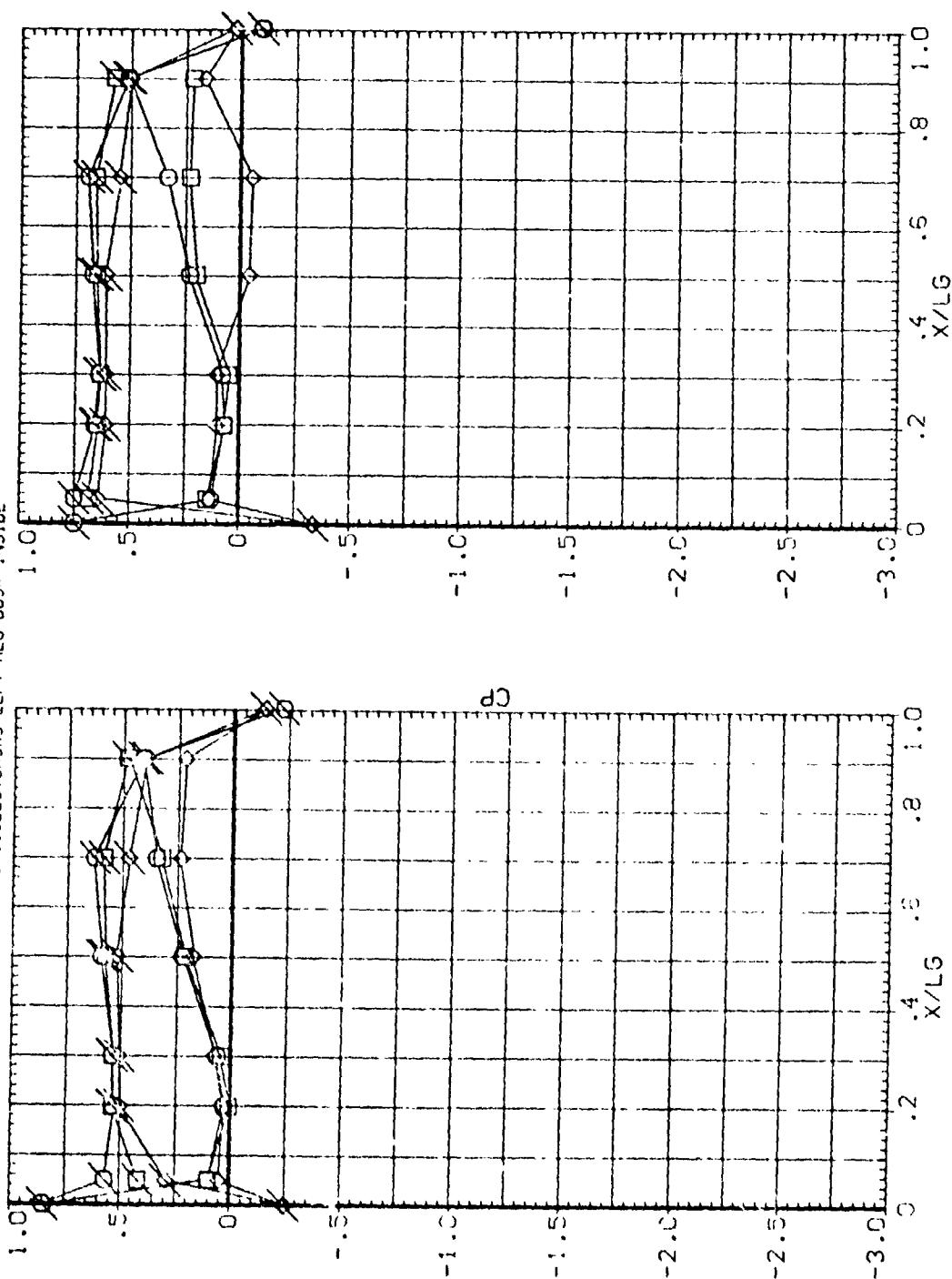


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES
○	.250	-2.950	-.010	ELEVON .000 RUDDER .000
□	.500	.050		BOFLAP -14.250 BETA
◇	.750			

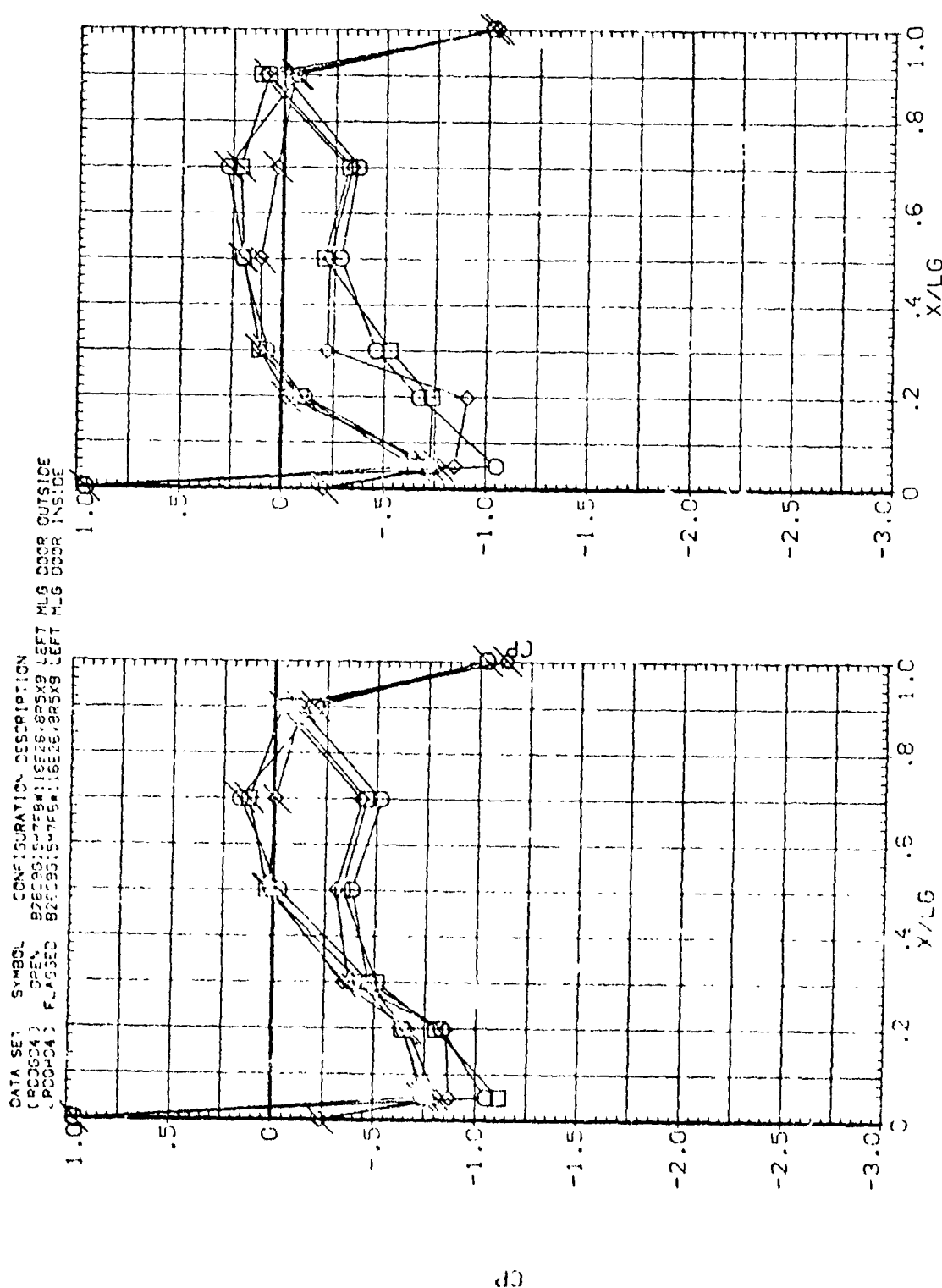


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL	Z/HG	ALPHA	BETA	ELEVON	PARAMETRIC VALUES
○	.250	5.030	-.010	.000	.000
□	.500	10.100		.000	.000
◇	.750				

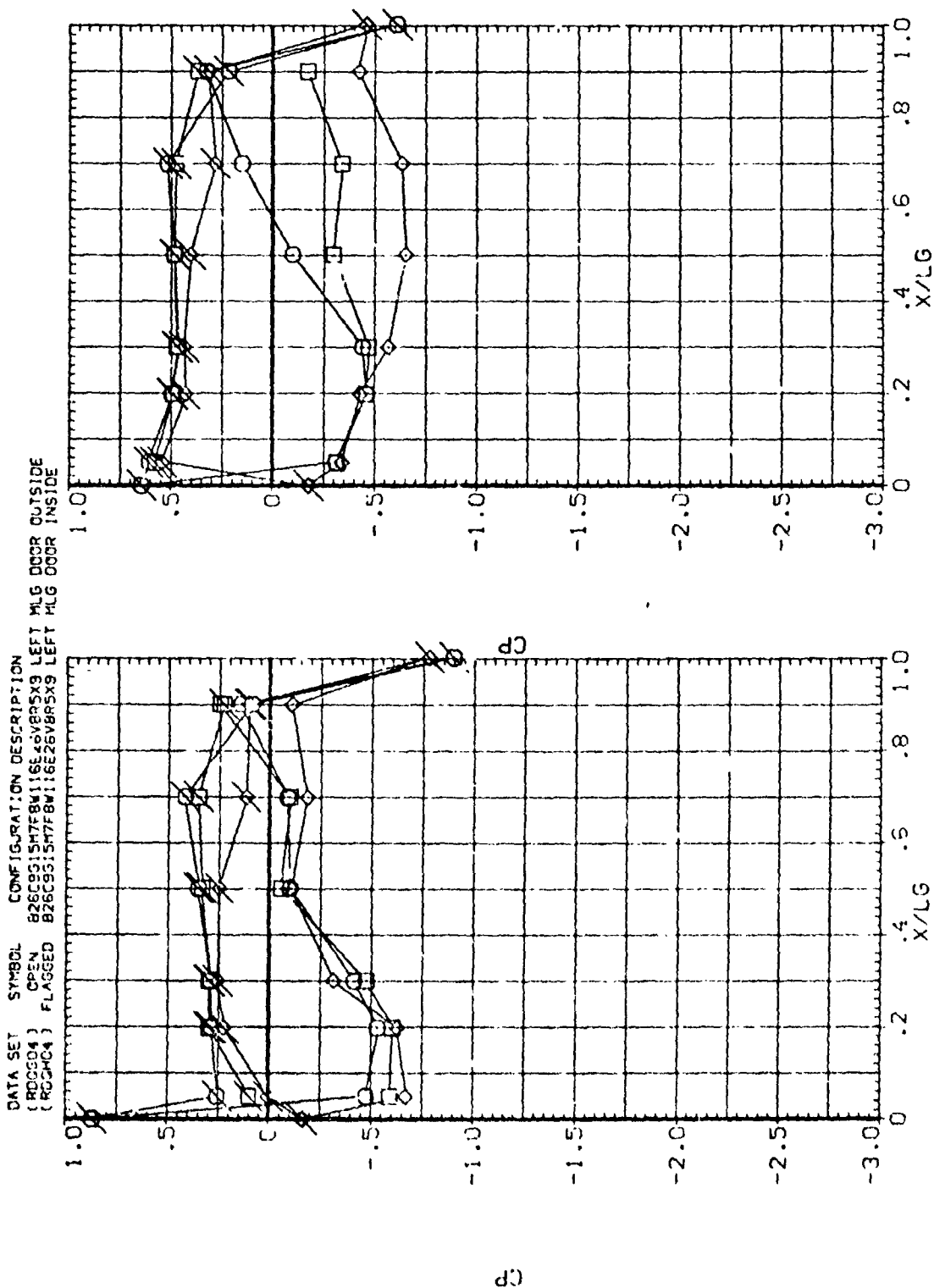


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SECRET

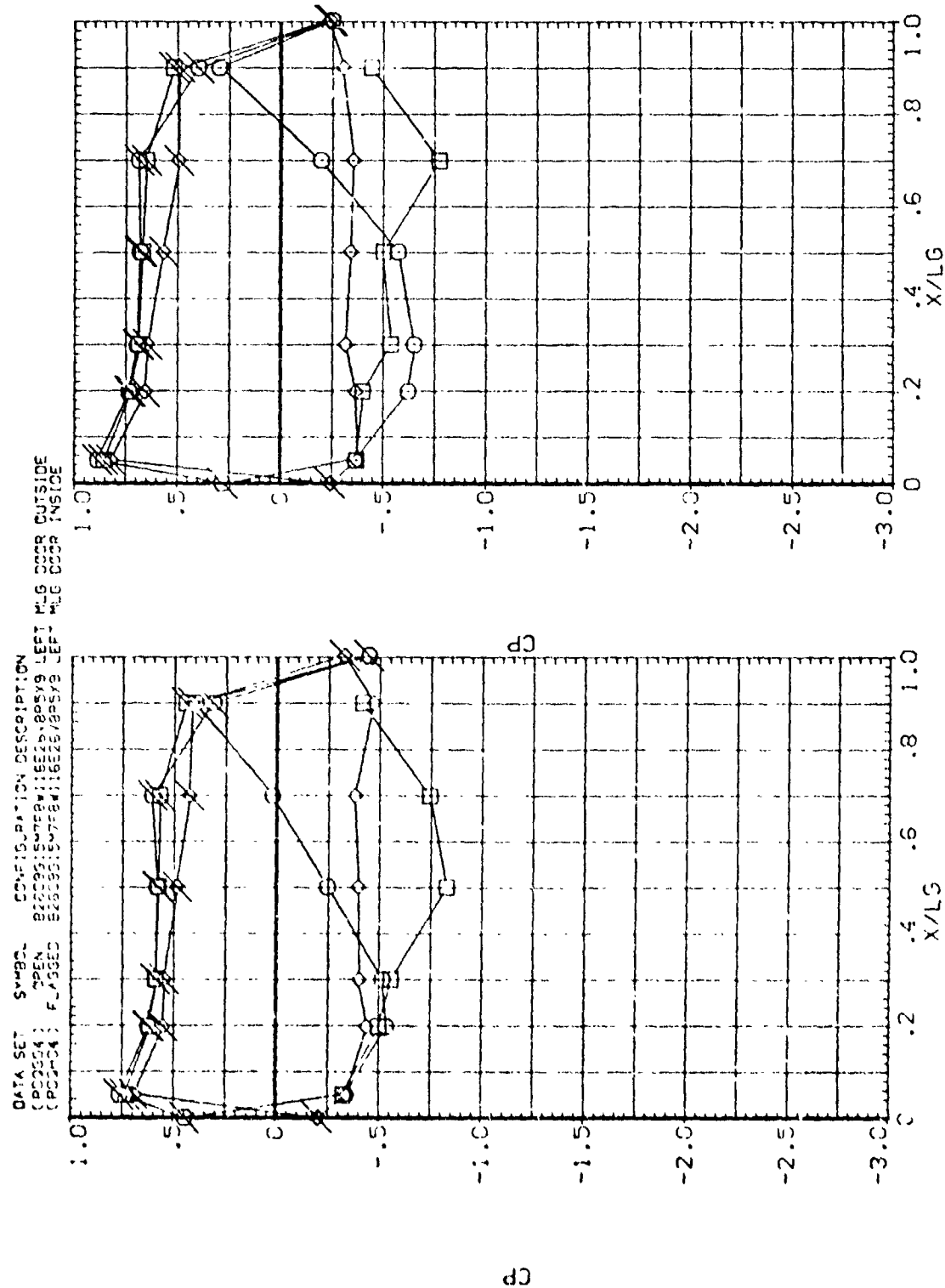


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, $ELEVON = 0$

SYMBOL	Z/HG	ALPHA	BETA	ELEVON	PARAMETRIC VALUES
□	.250	-2.970	10.030	BOFLAP	.000 RUDLER .000
◇	.500	.030			-14.250 PETA 10.000
◇	.750				

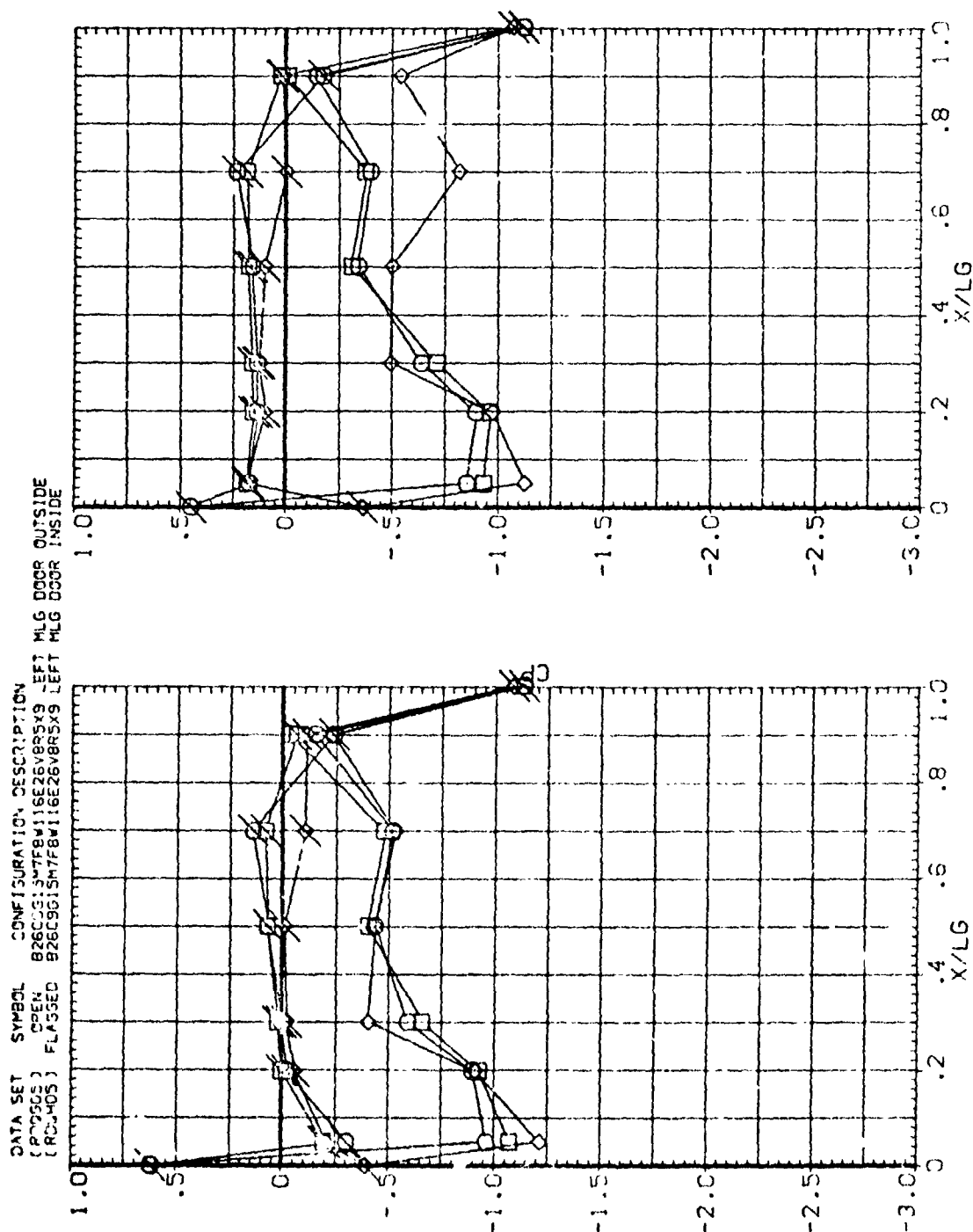
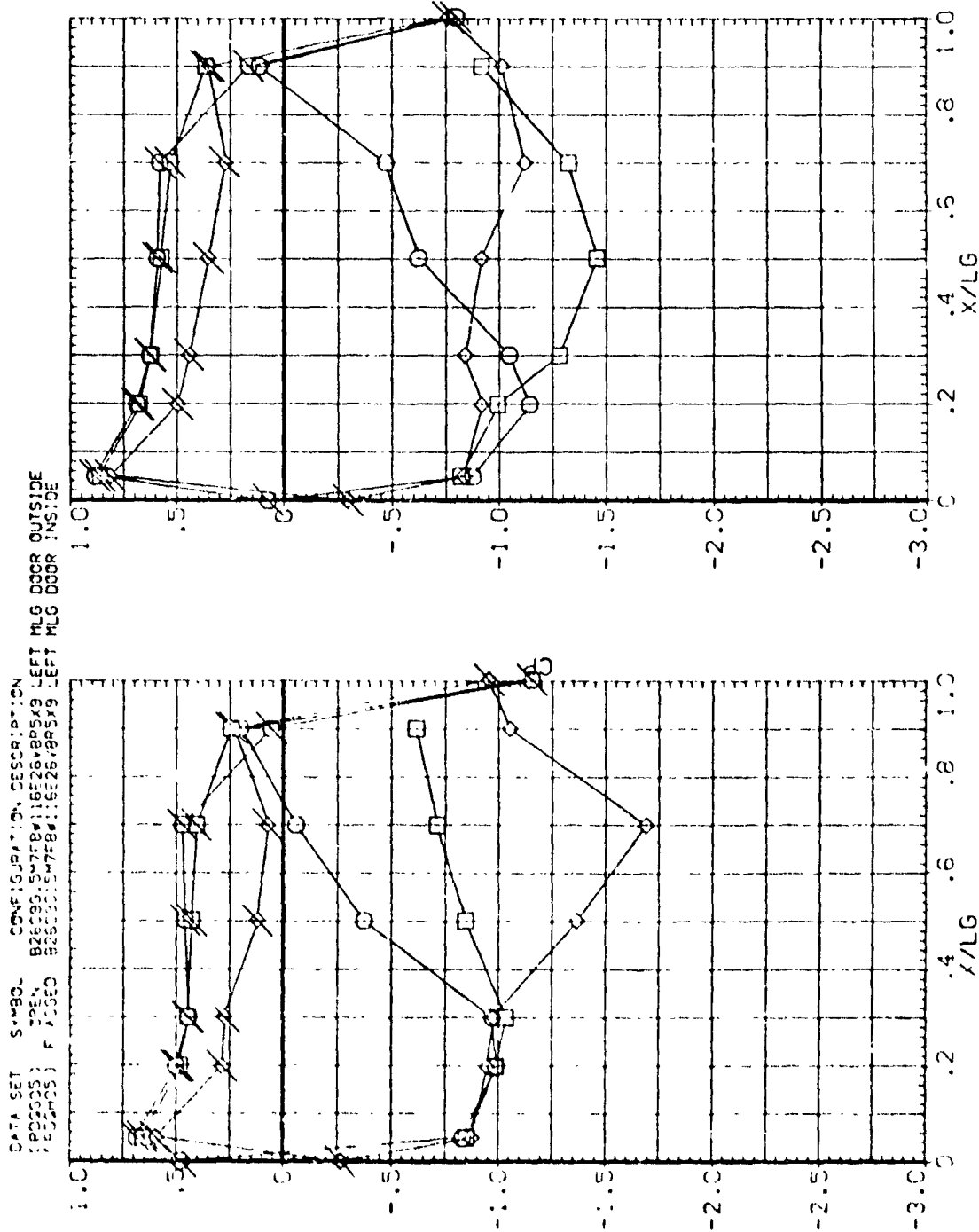


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

PARAMETRIC VALUES

ELEVON	.000	PUDDER	.000
BDFLAP	-14	25C	BETA
			10.000



SYMBOL Z/LG ALPHA BETA

100005	.250	5.020	10.050
100005	.500	10.120	
100005	.750		

FIG. 4C MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/LG ALPHA BETA
 .250 13.190 10.050
 .500 16.220
 .750

PARAMETRIC VALUES
 ELEVON .000
 BDFLAP -14.250 BETA 10.000

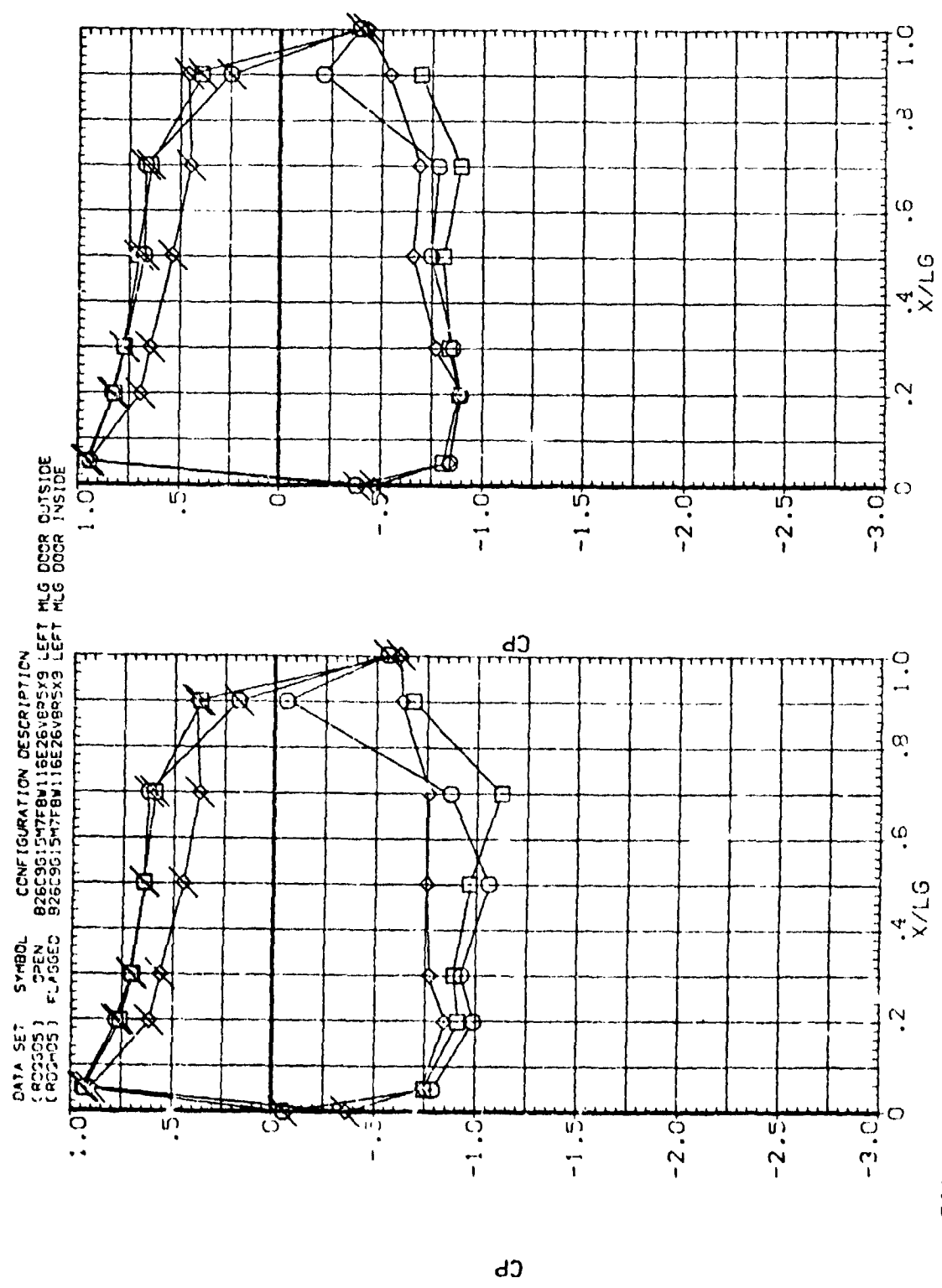


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0
 PAGE 426

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(P0036)	OPEN	B26C93; 5*7F8V116E26V8R5X9 LEFT MLG DOOR OUTSIDE	ELEVON -20.000 RUDDER .000
(P0046)	FLAGGED	B26C93; 5*7F8V116E26V8R5X9 LEFT MLG DOOR INSIDE	BDFLAP -14.250 BETA -10.000

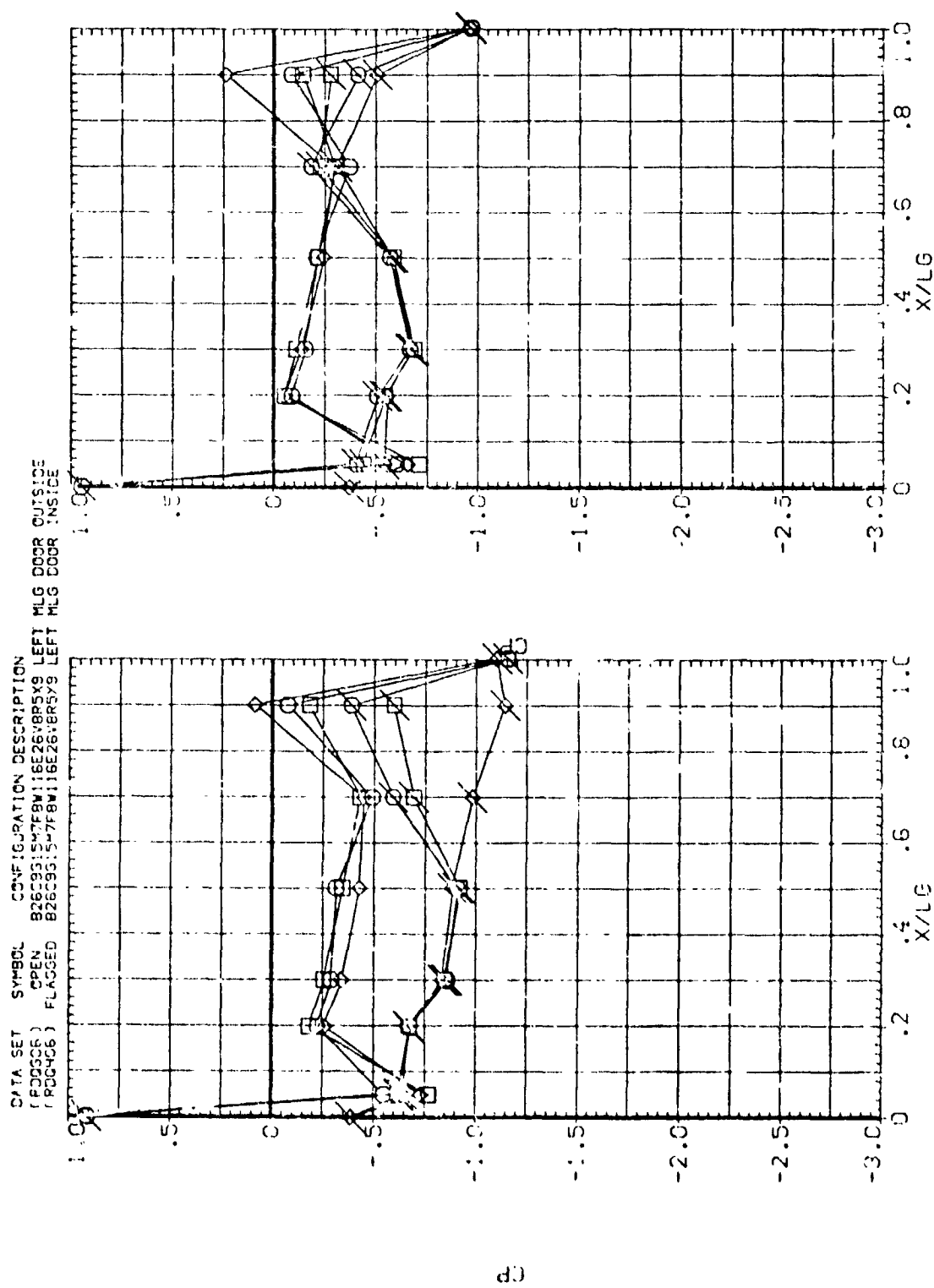


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL Z/LG ALPHA BETA
 ○ .250 5.020 -10.060
 □ .500 10.090
 ◇ .750

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ROOCS) OPEN B26C9G15M7F8V116E26V8R5X9 LEFT MLG DOOR OUTSIDE
 (ROO-H06) FLAGGED B26C9G15M7F8V116E26V8R5X9 LEFT MLG DOOR INSIDE

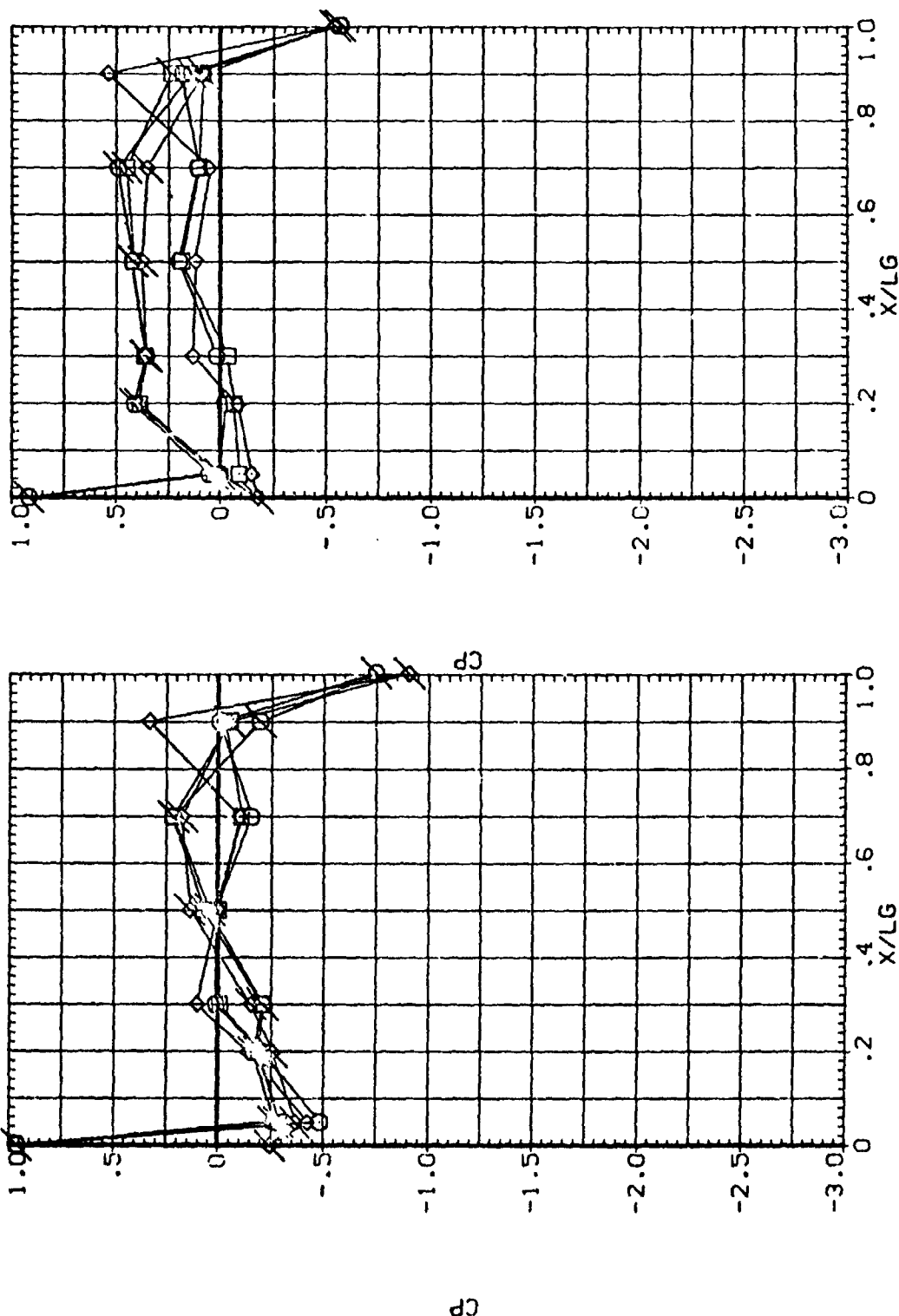


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES	
○	.250	13.190	-10.060	ELEVON	-20.000
□	.500	16.220		RUDDER	.000
◇	.750			BETA	-10.000

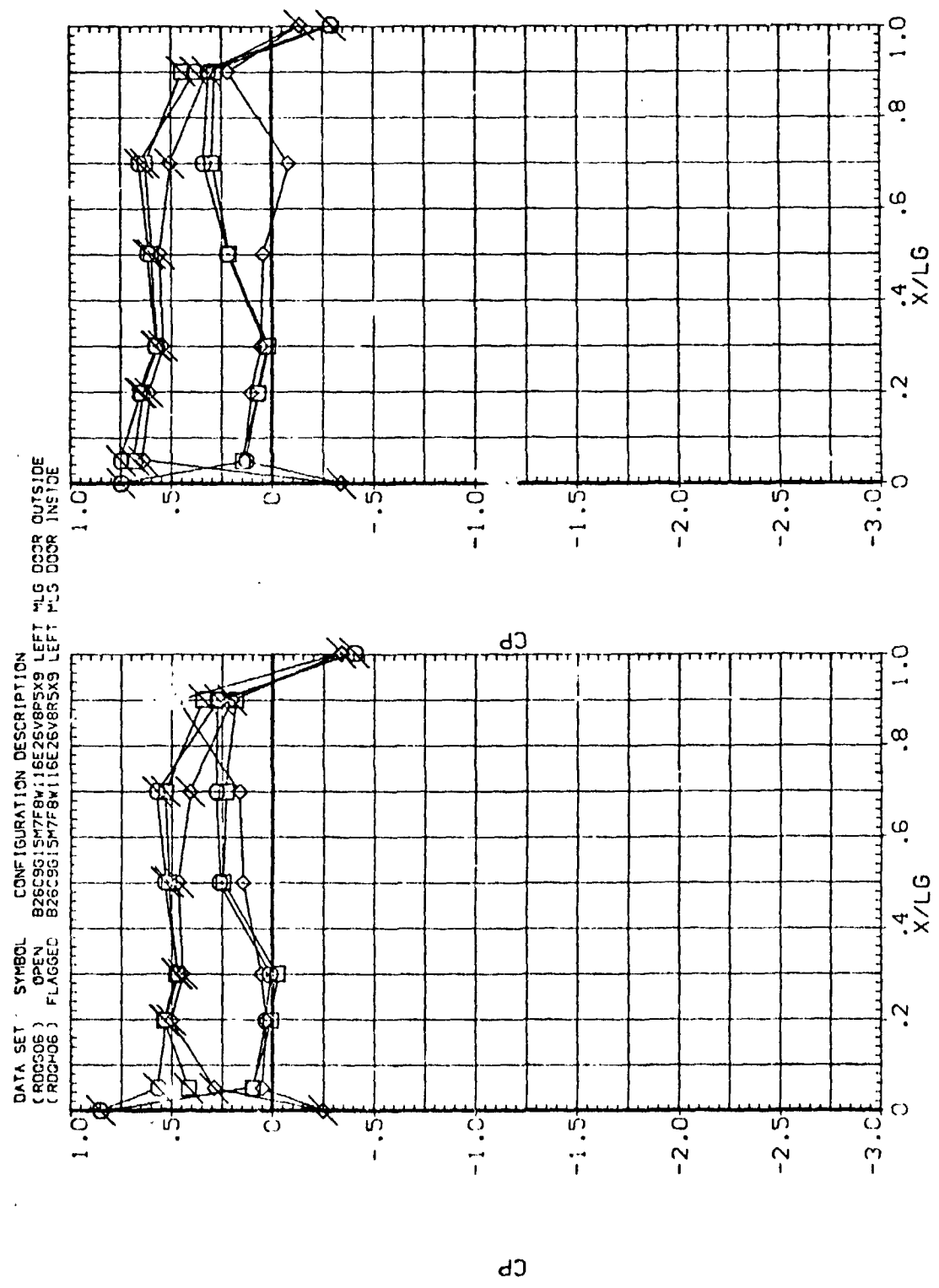


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES	
○	.250	-2.950	-.010	ELEVON	-20.000
□	.500	.050		BDFLAP	-14.250
◇	.750			BETA	.000

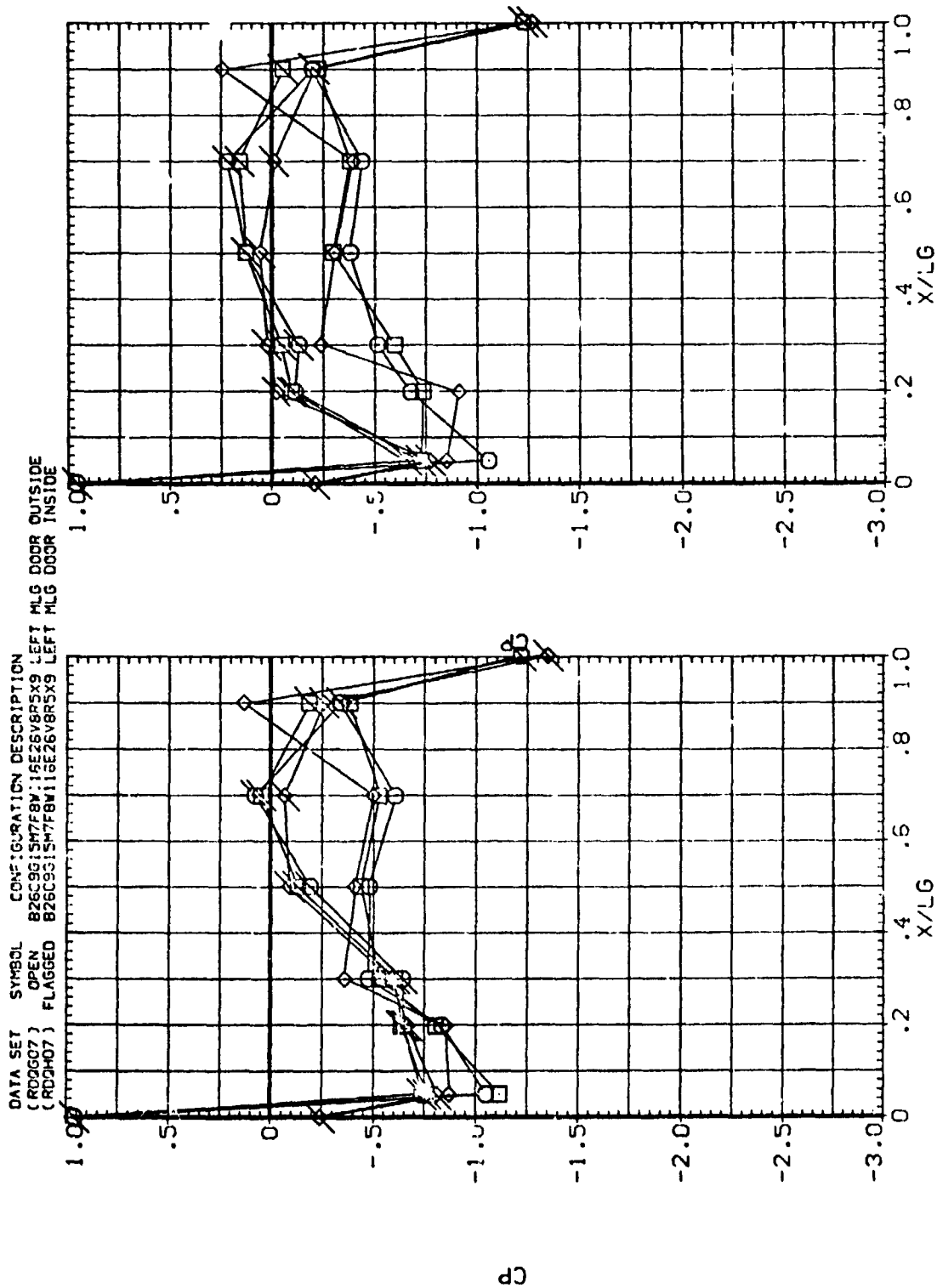


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL Z/HG ALPHA BETA
 .250 5.030
 .500 10.100
 .750
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA

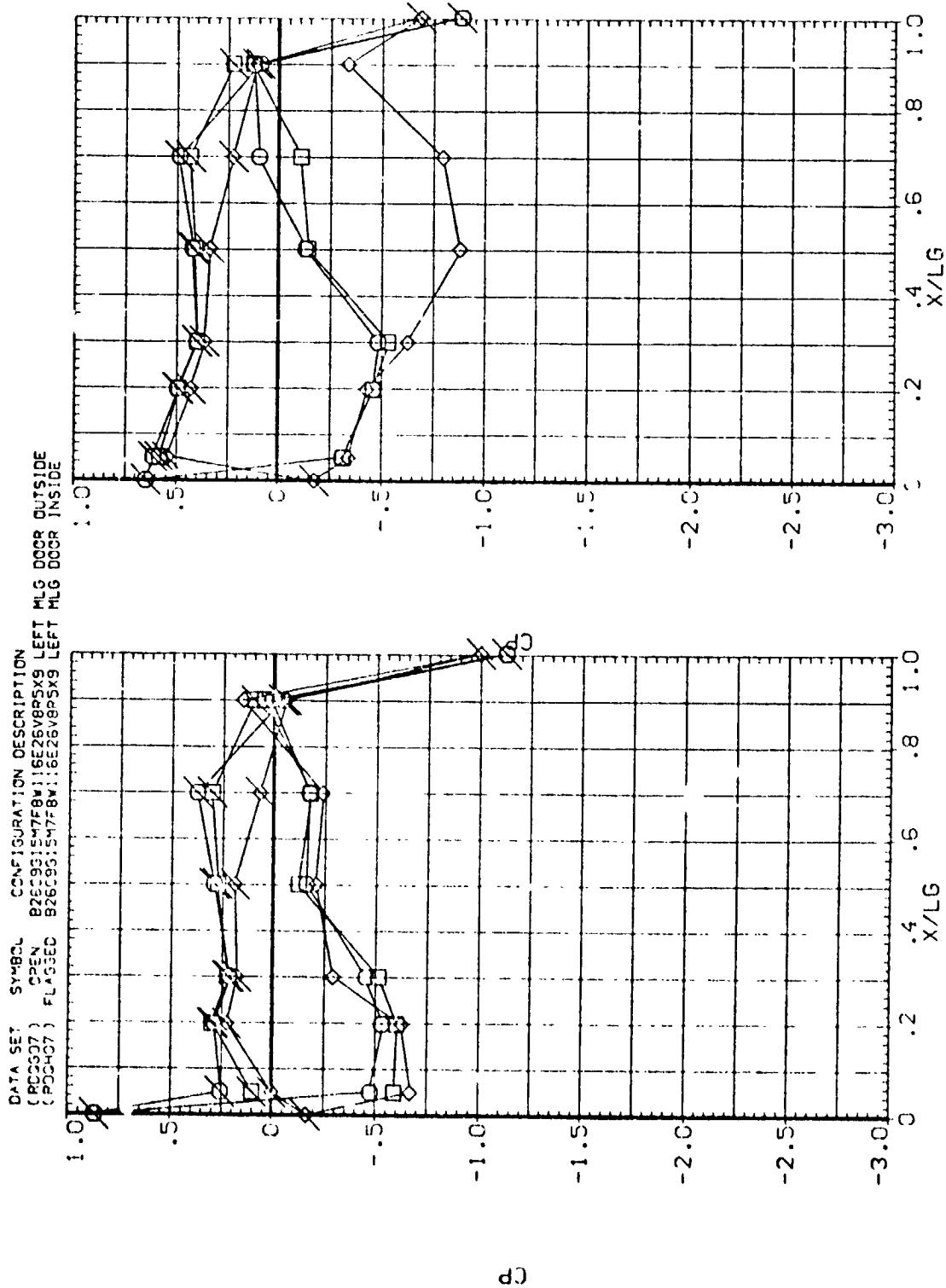


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES		
○	.250	13.220	-.010	ELEVON	-20.000	RUDDER
□	.500	16.240		B*FLAP	-14.250	BETA
◇	.750					.000

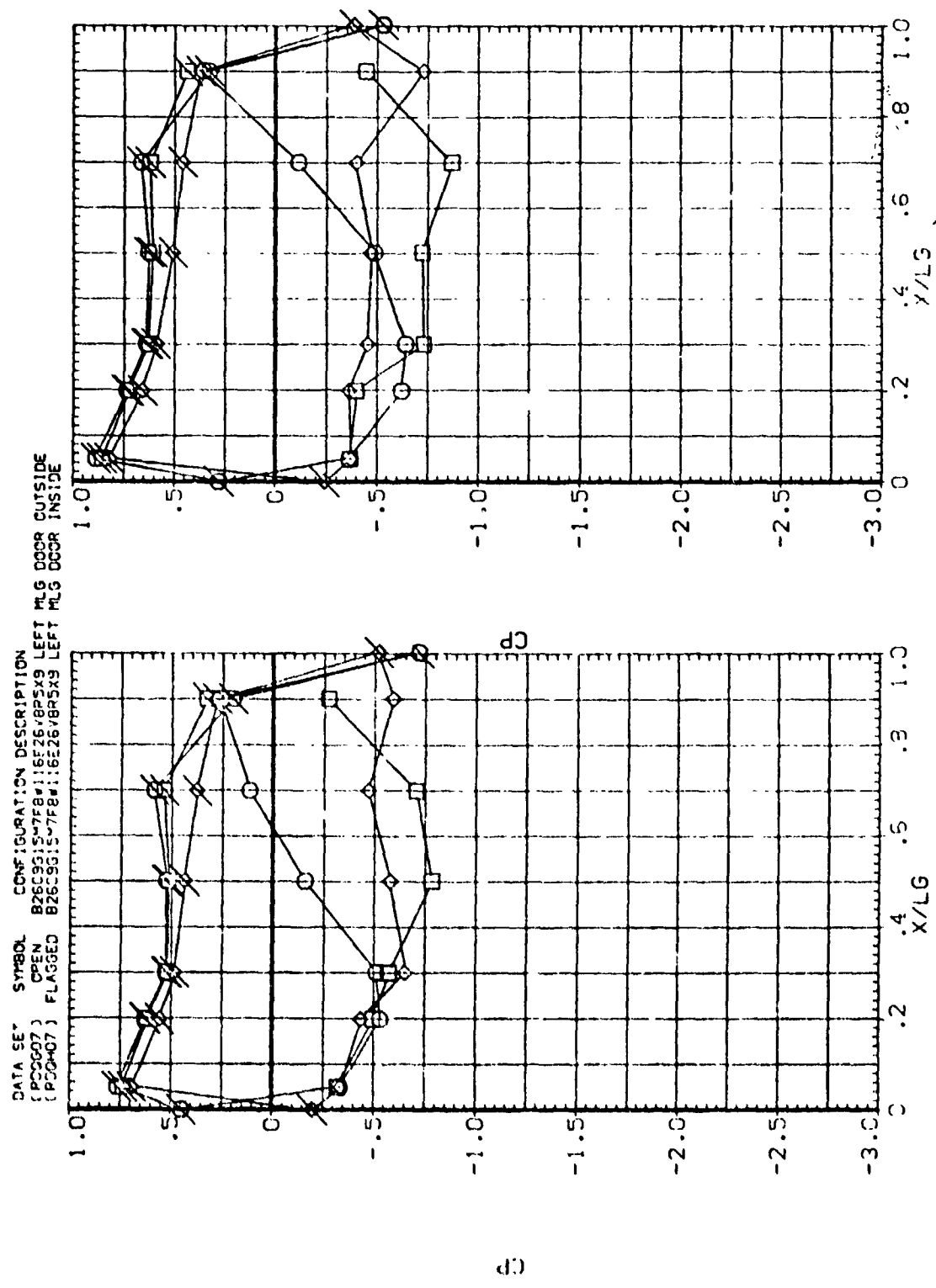


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUE	
				ELEVON	RUDDER
				BDFLAP	BETA
○	.250	-2.970	10.050	-20.000	.000
□	.500	.030		-14.250	10.000
◇	.750				

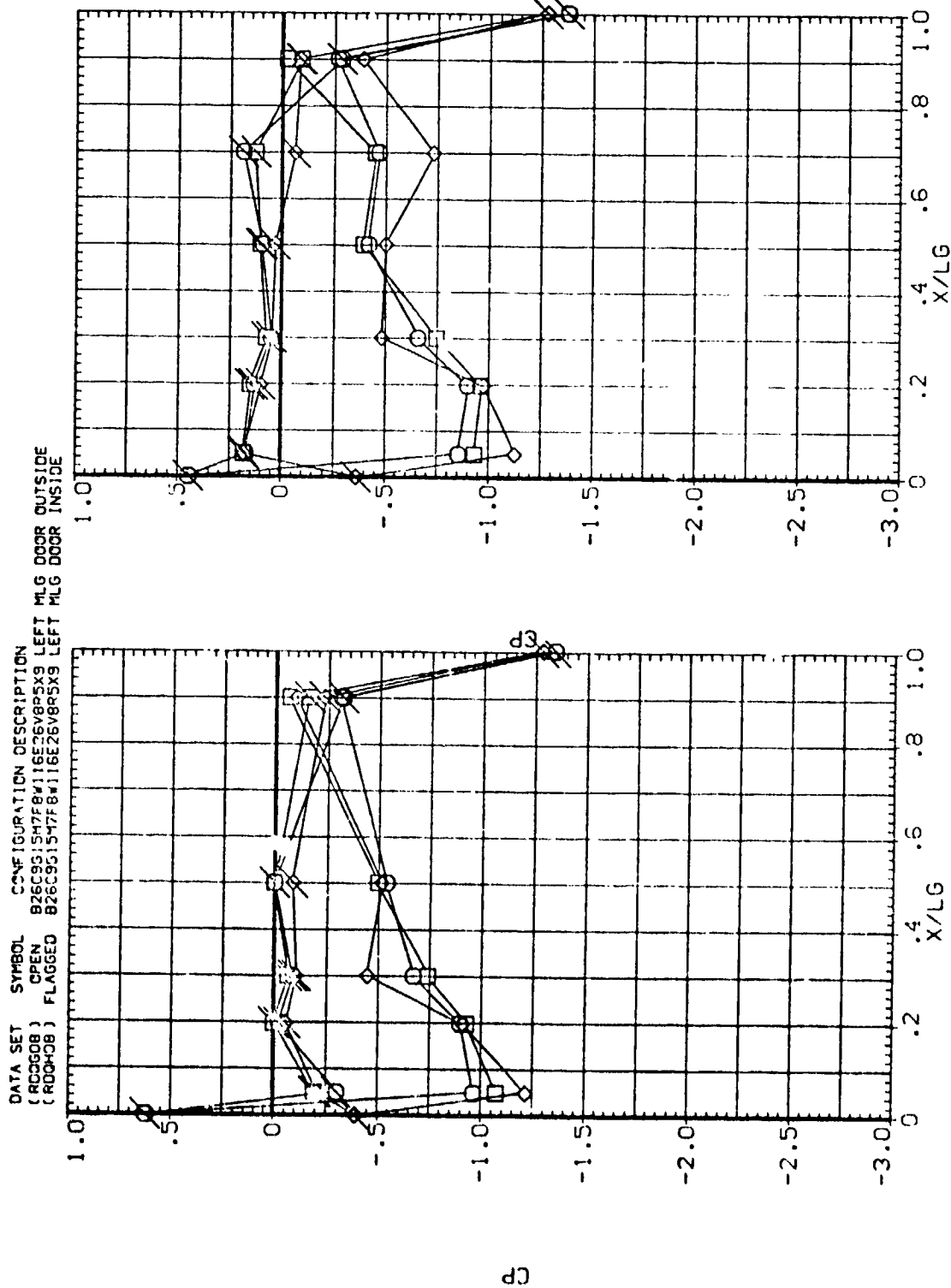


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/AG	ALPHA	BETA	PARAMETRIC VALUES	
				ELEVON	RUDDER
□	.250	5.020	10.050	-20.000	.000
□	.500	10.120		-14.250	10.000
◇	.750			BETA	

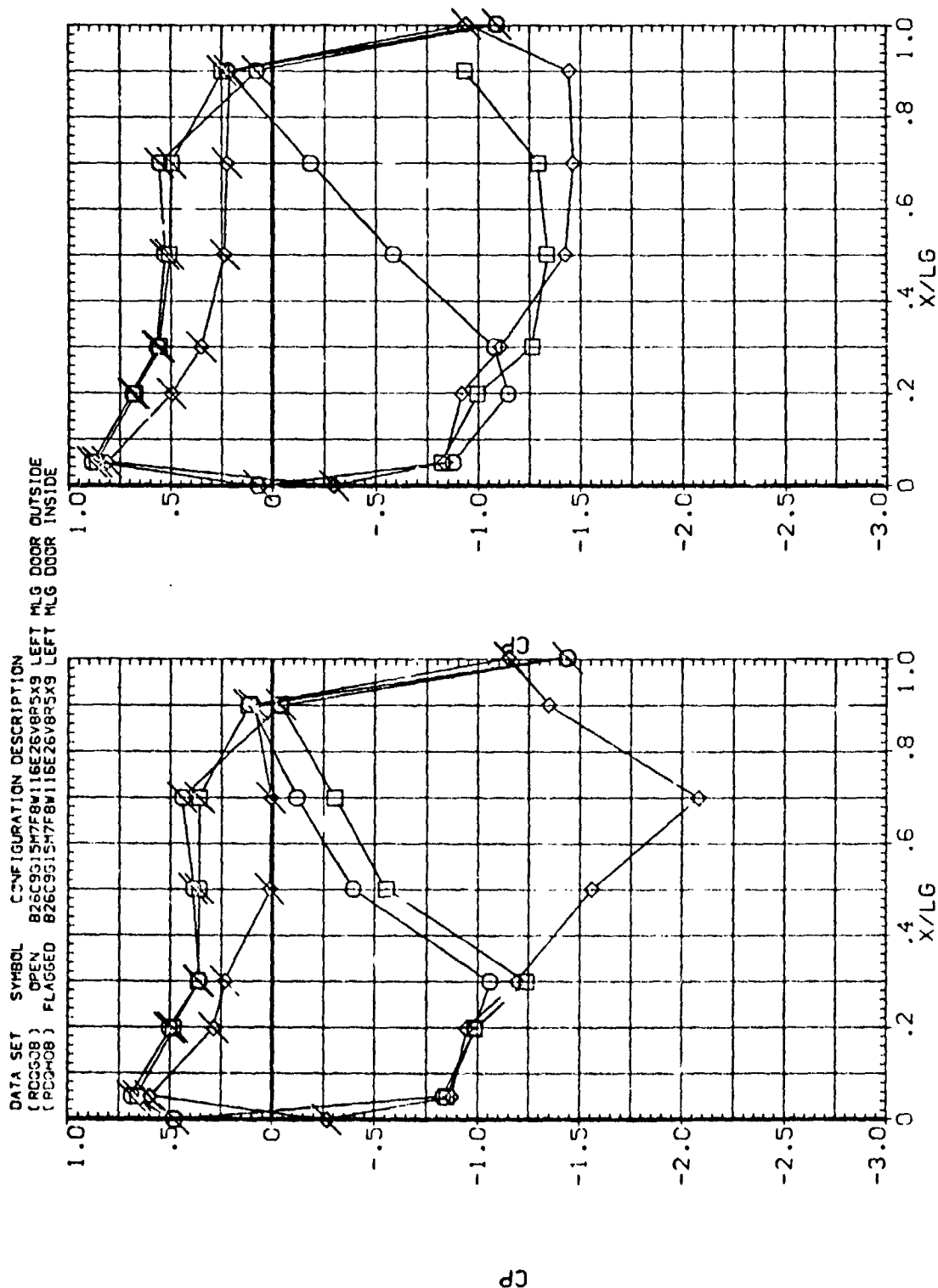


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/LG	ALPHA	BETA	PARAMETRIC VALUES		
○	.250	-2.980	-10.060	ELEVON	-40.000	RUDDER
□	.500	.020		BDFLAP	-14.250	BETA
◇	.750					-10.000

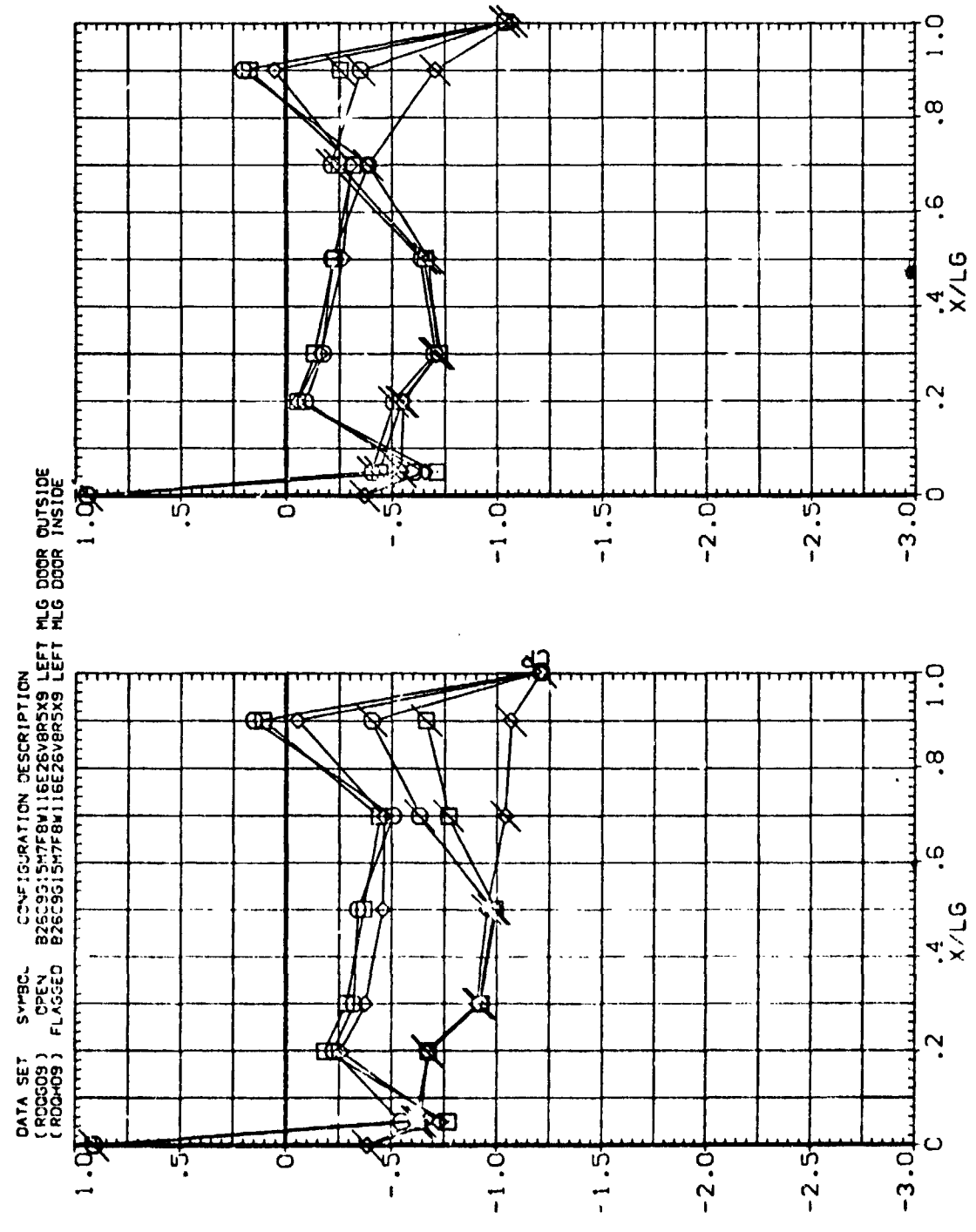


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	7/46	ALPHA	BETA	PARAMETRIC VALUES		
	.250	5.020	-10.063	ELEVON	-40.000	RUDDER
	.500	10.090		BDFLAP	-14.250	BETA
	.750					-10.000

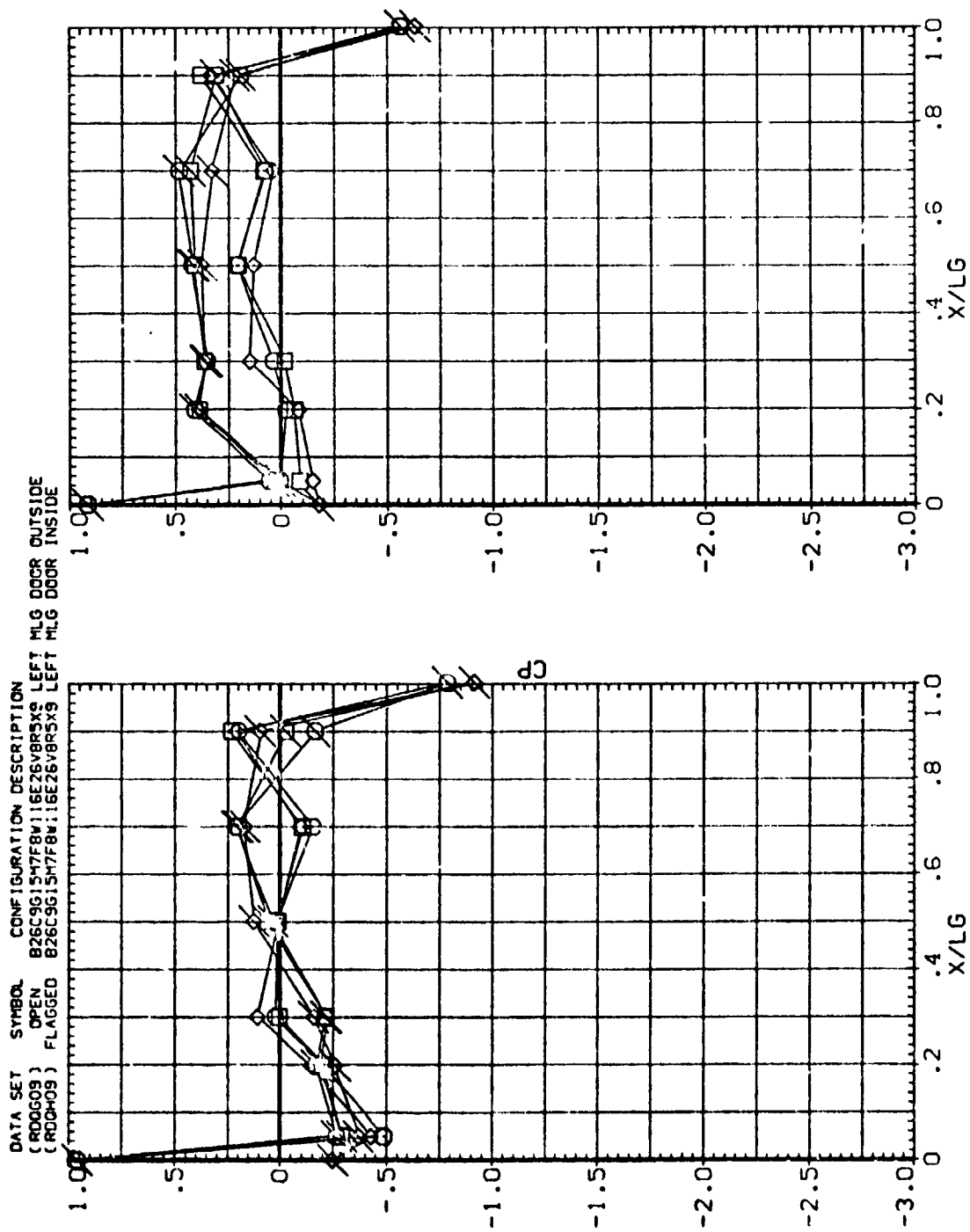


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	Z/MG	ALPHA	BETA	ELEVON	PARAMETRIC VALUES
□	.250	3.190	-10.060	BOFLAP	-40.000 RUDDER
◇	.500	6.220			-14.250 BETA
	.750				-10.000

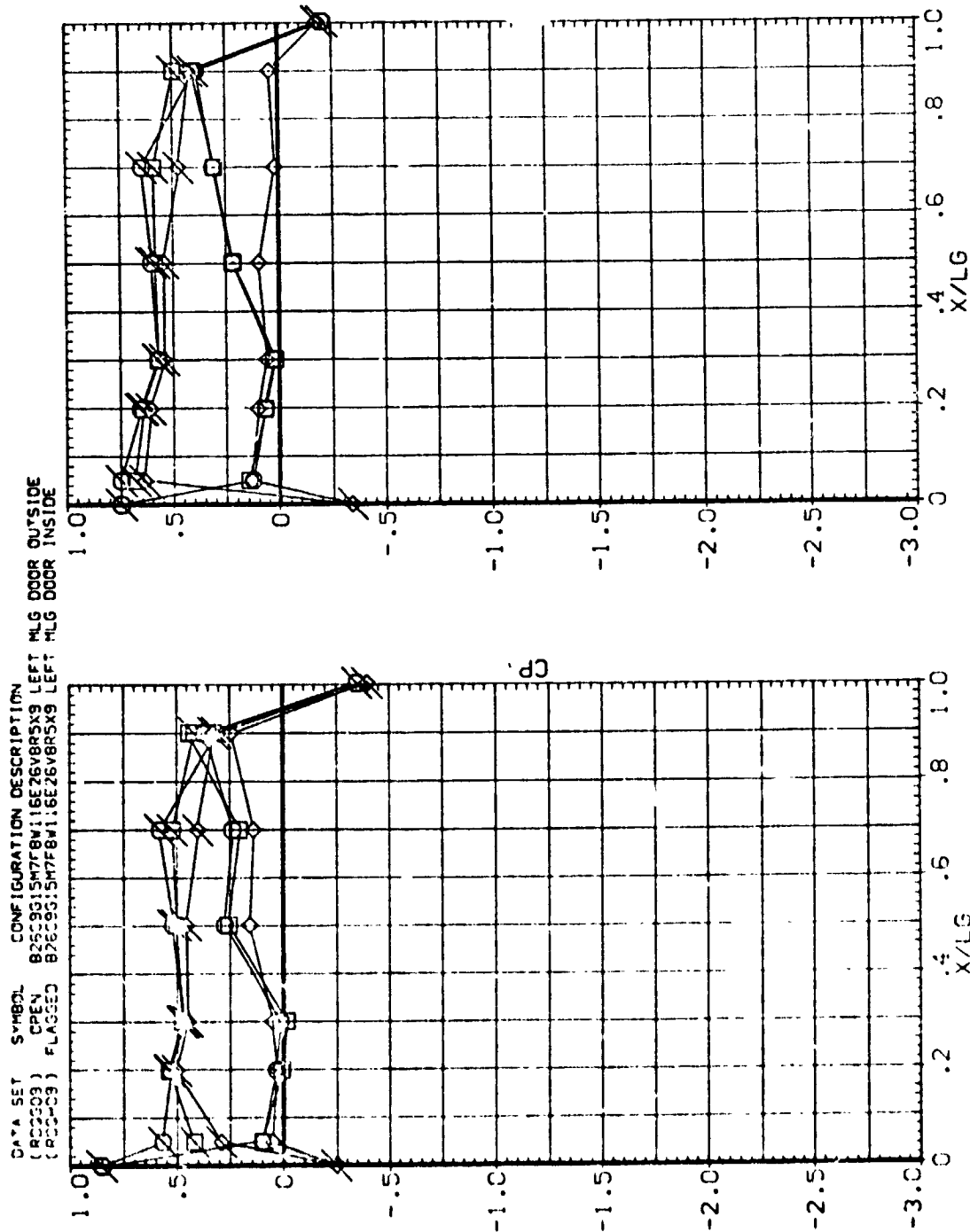


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	Z/HG	ALPHA	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
□	.250	-2.950	-.010	-40.000		RUDDER .000
◇	.500	.050		-14.250		BE"A .000
◇	.750					

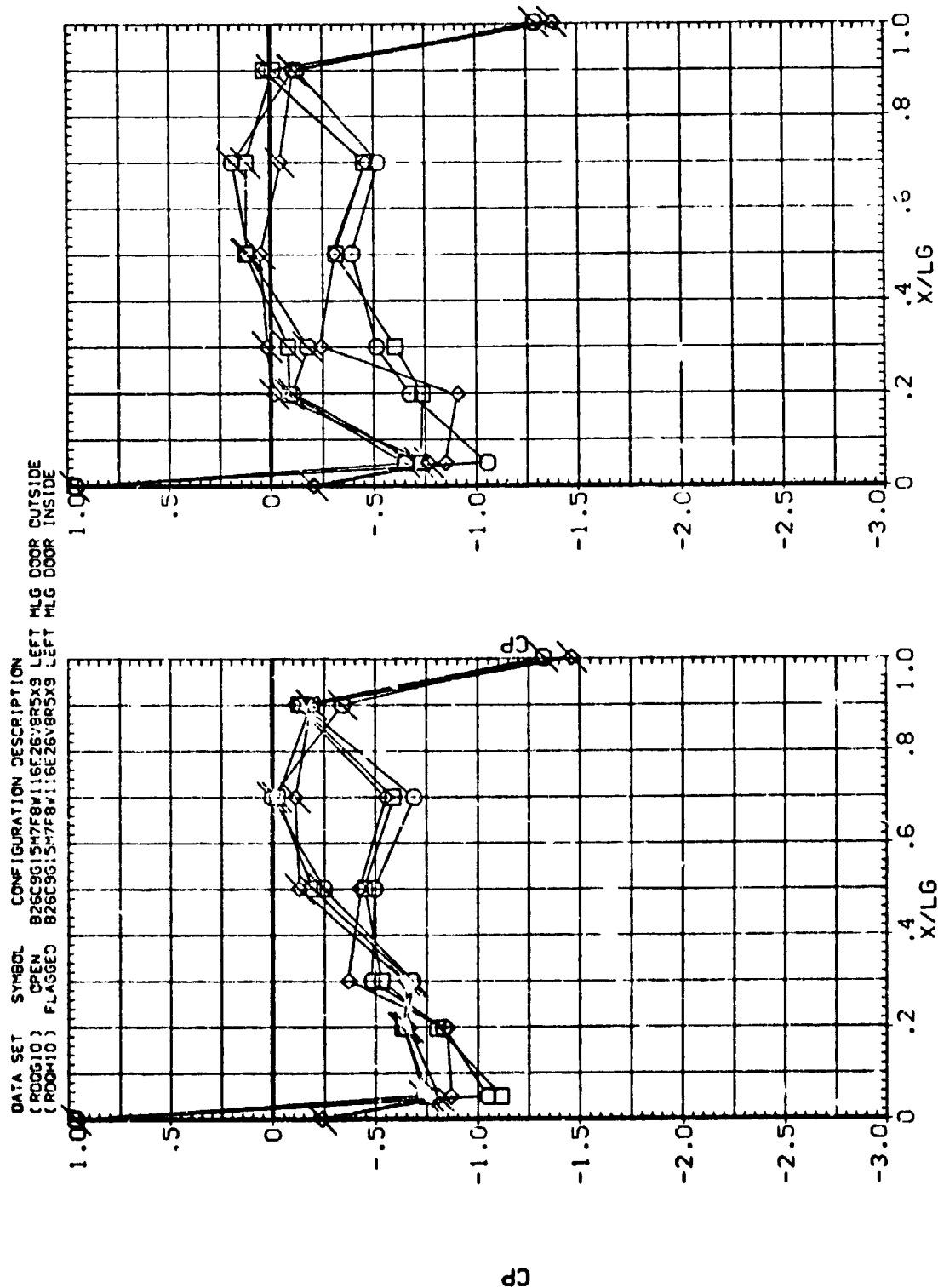


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL

Z/HG

ALPHA

BETA

5.030

10.100

-.016

PARAMETRIC VALUES

ELEVON

-40.000

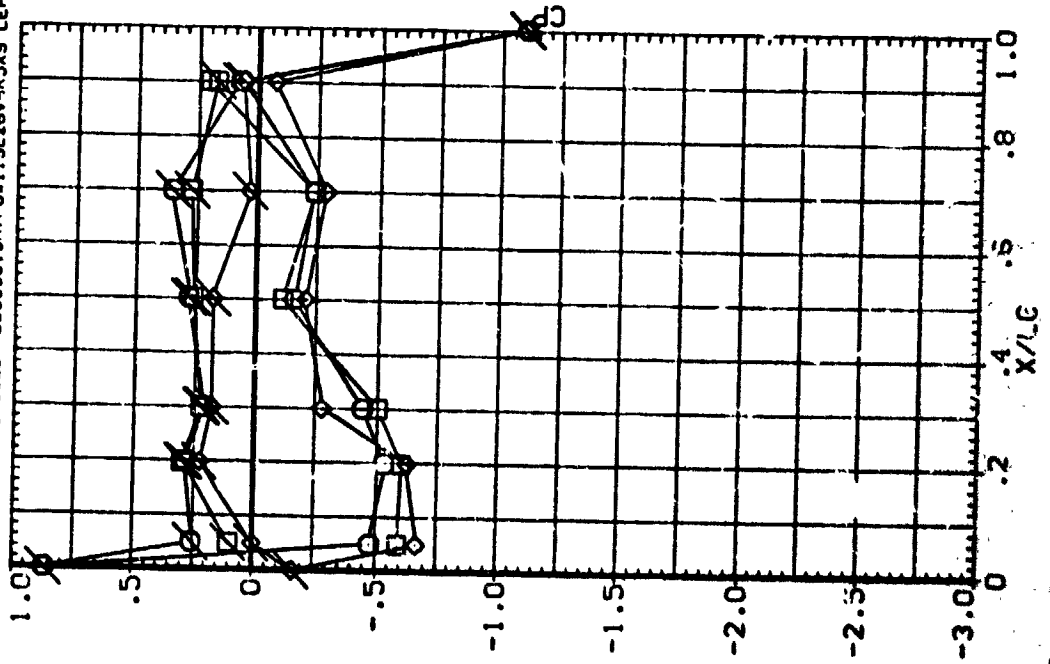
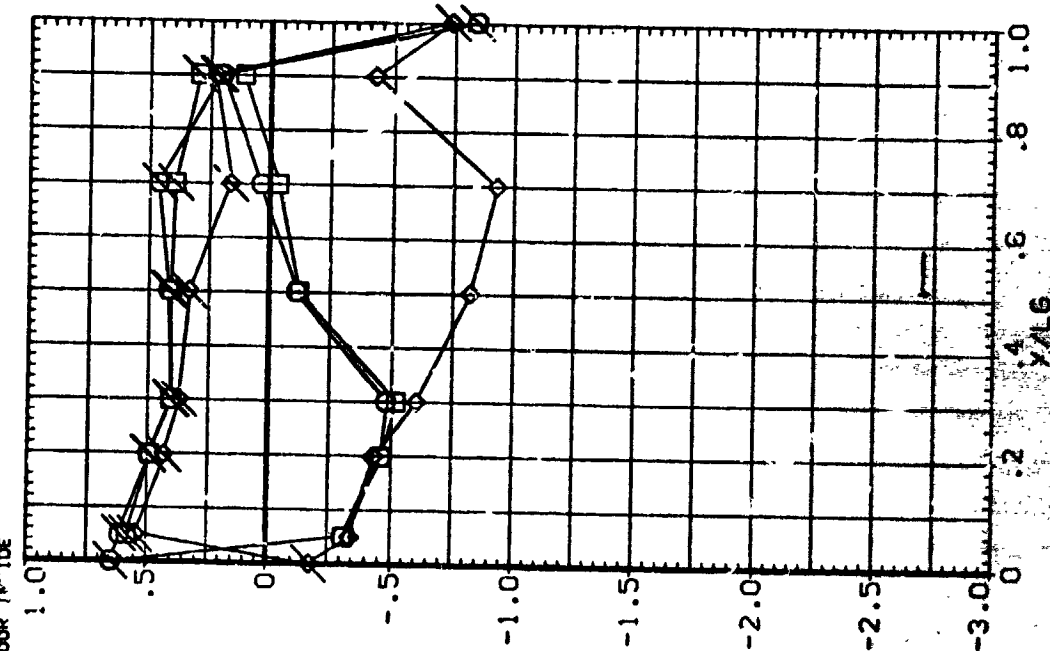
RUDDER

-14.230

BETA

.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ROOM10) OPEN B26C9G15M7F8V115E2SV8R5X9 LEFT PLG DOOR OUTSIDE
 (ROOM10) FLAGGED B26C9G15M7F8V115E2SV8R5X9 LEFT PLG DOOR INSIDE



P

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES	
○	.250	13.220	- .010	ELEVON	-40.000 RUDDER
□	.500	16.240		BDFLAP	-14.250 BETA
◇	.750				.000

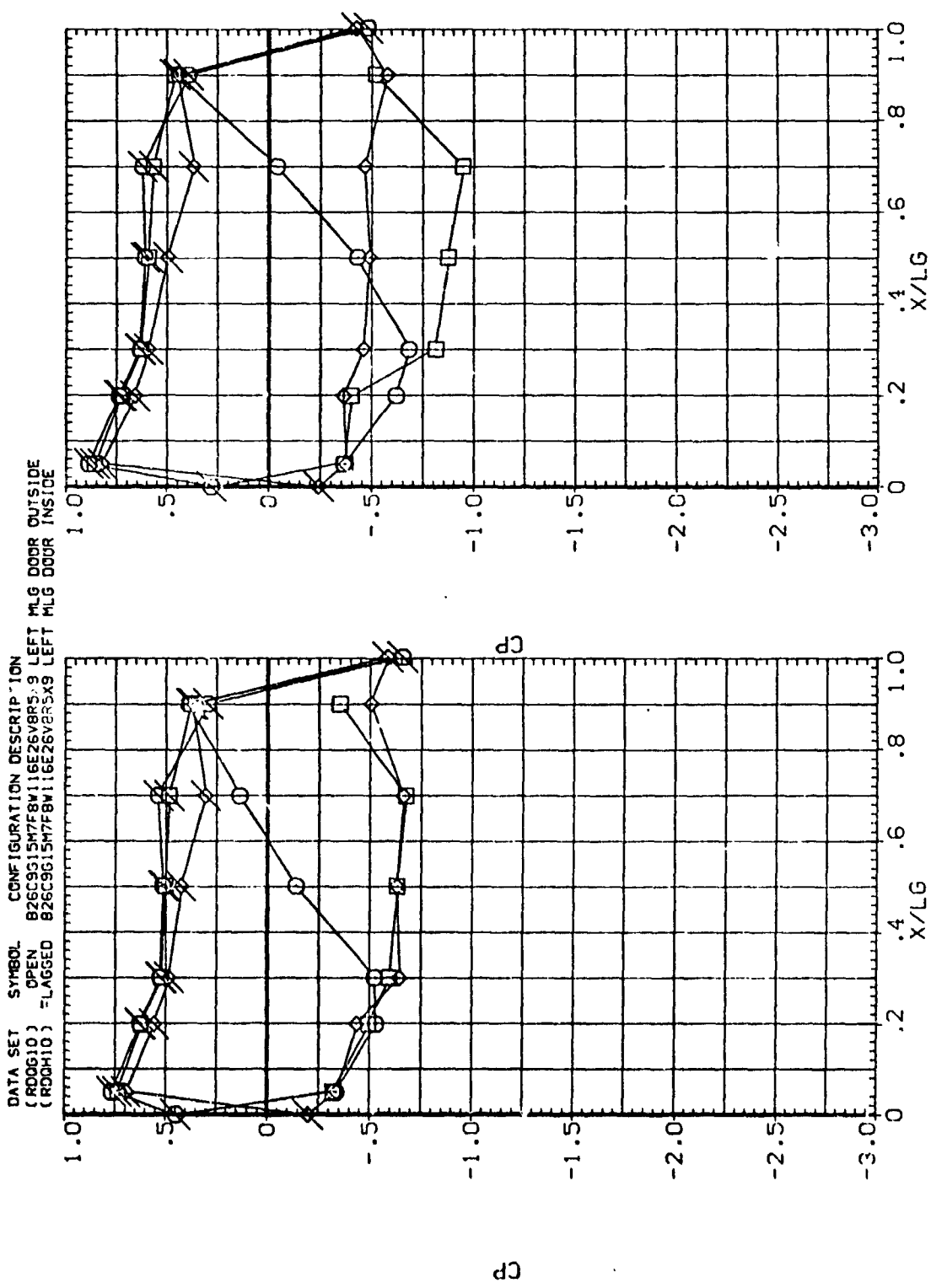


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

S1.BUL Z/HG ALPHA BETA
 .250 -2.970 10.050
 .500 .030
 .750

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00G11) OPEN B26C9G15M7F8V116E26V8R5X9 LEFT MLG DOOR OUTSIDE
 (R00H11) FLAGGED B26C9G15M7F8V116E26V8R5X9 LEFT MLG DOOR INSIDE

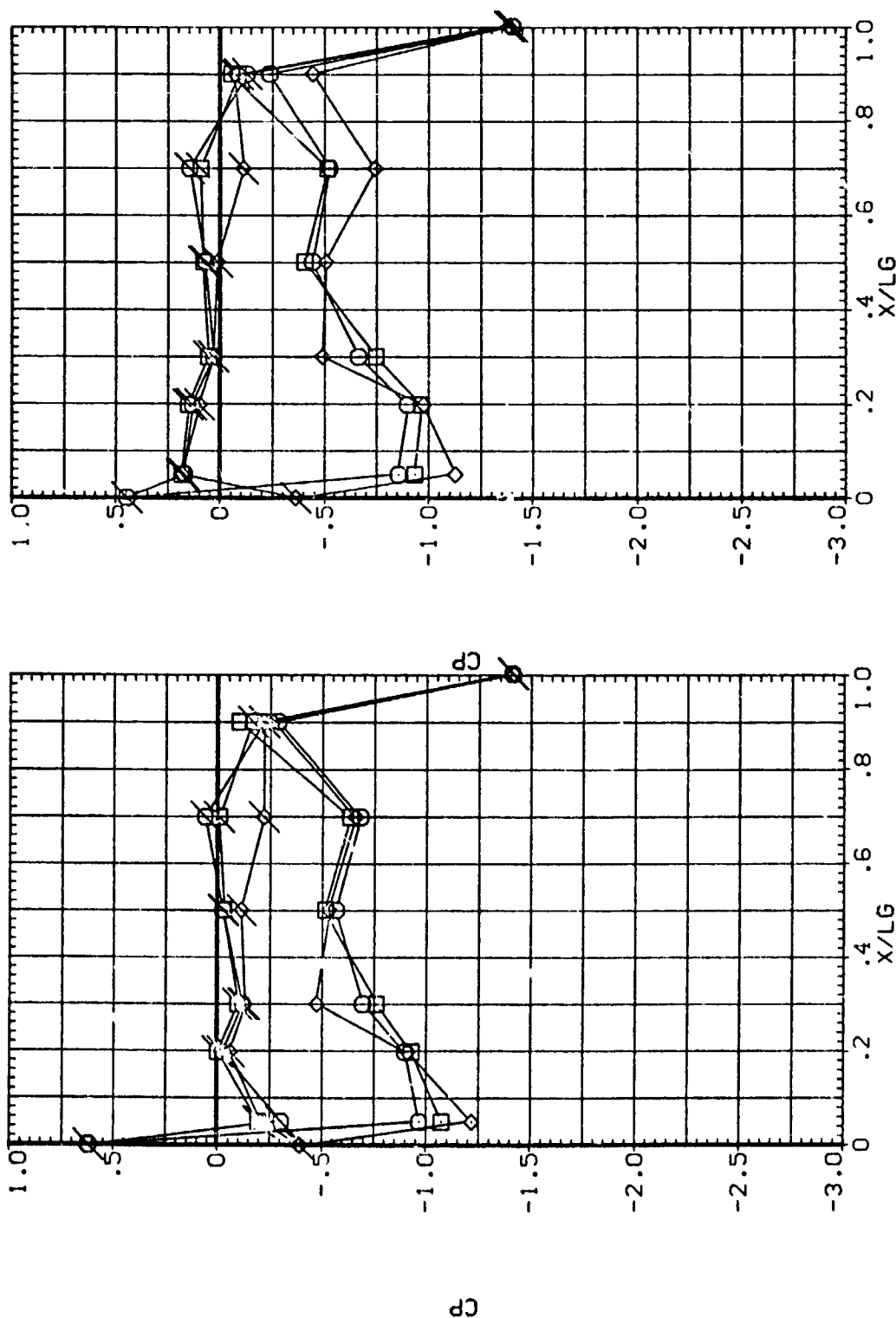


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -10
 PAGE 442

SYMBOL	Z/HG	ALPHA	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
○	.250	5.020	10.050	-40.000	-14.250	RUDDER .000
□	.500	10.120	10.000			BETA 10.000
◇	.750					

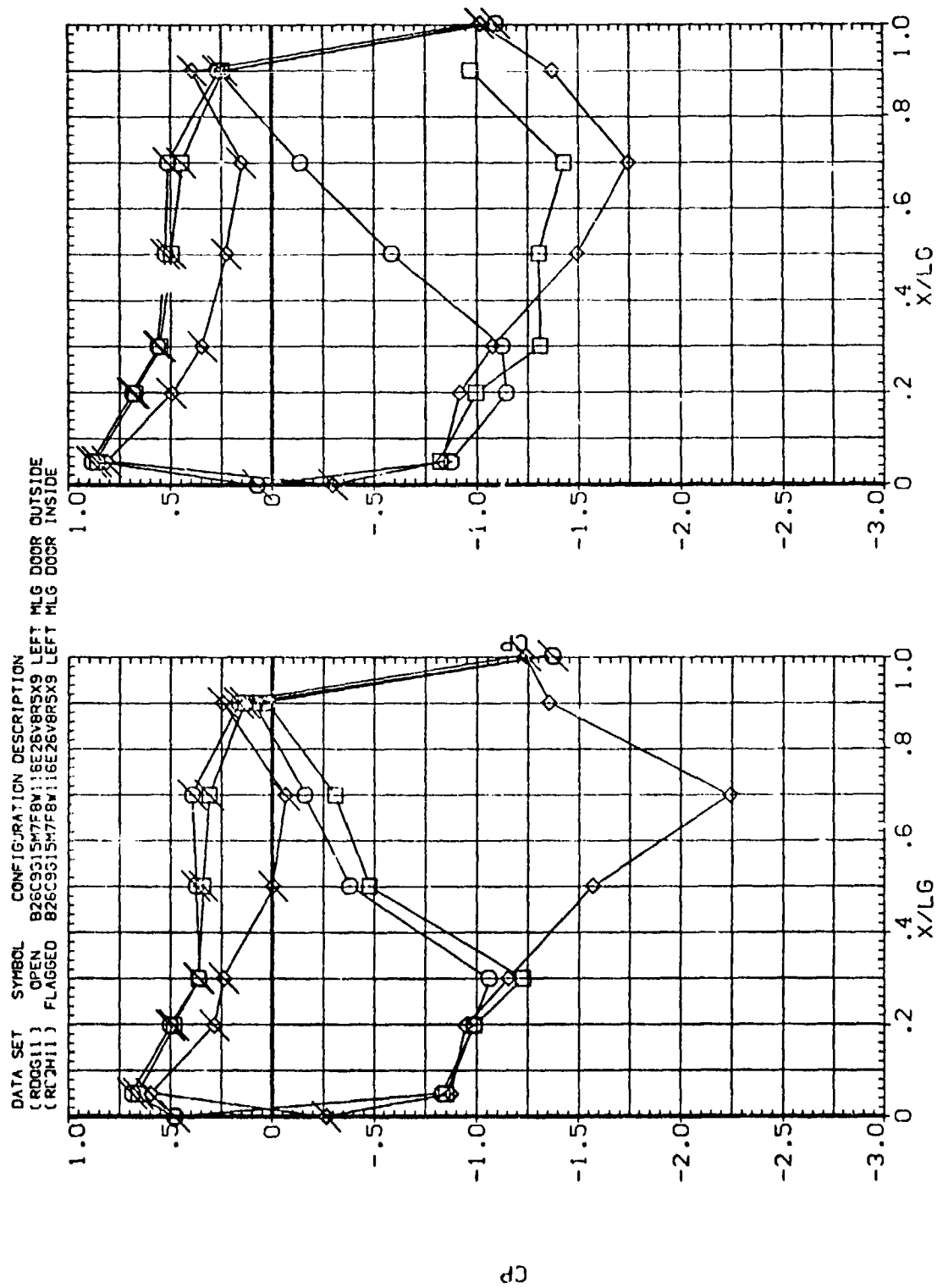


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES		
○	.250	13.190	10.050	ELEVON	-40.000	RUDDER
□	.500	16.220		BDFLAP	-14.250	BE"A
◇	.750					10.000

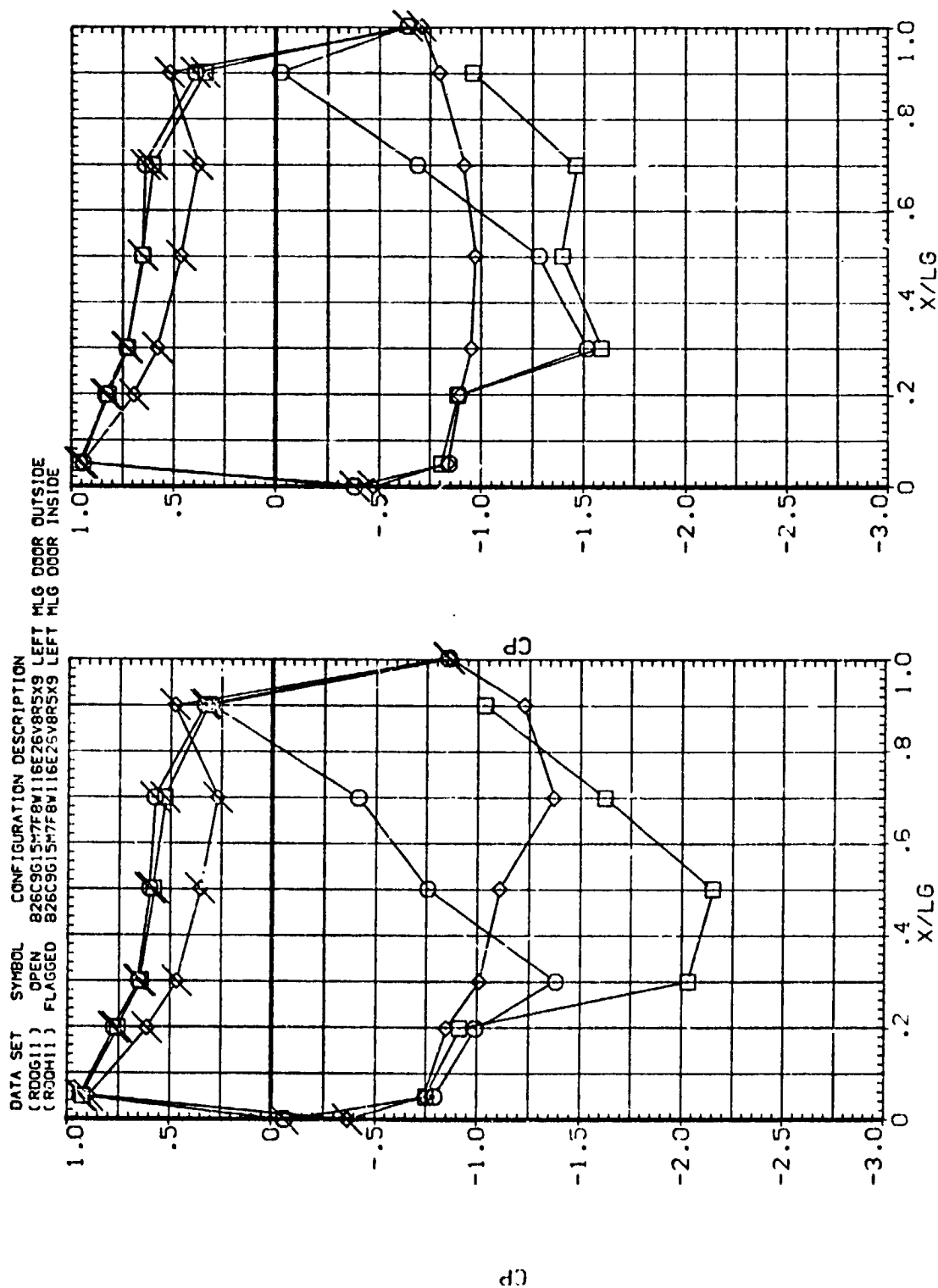
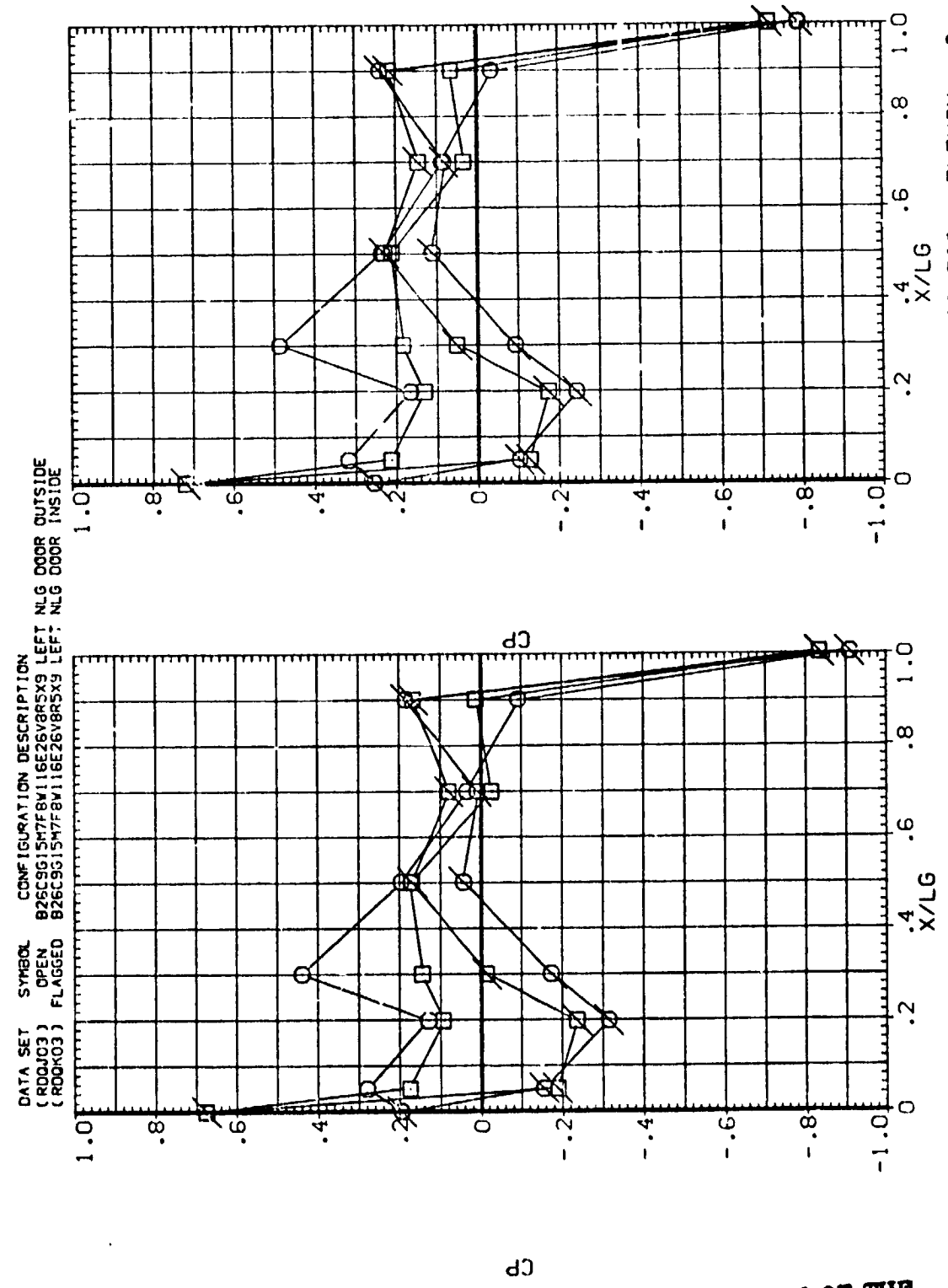


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

6

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

SYMBOL Z/MG ALPHA BETA
□ .250 -2.980 -10.060
○ .750 .020



REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0
PAGE 445

SYMBOL	Z/NG	ALPHA	BETA	PARAMETRIC VALUES		
				ELEVON	RJDDER	.000
□	.750	10.000	-10.000	BCLAP	BETA	-10.000

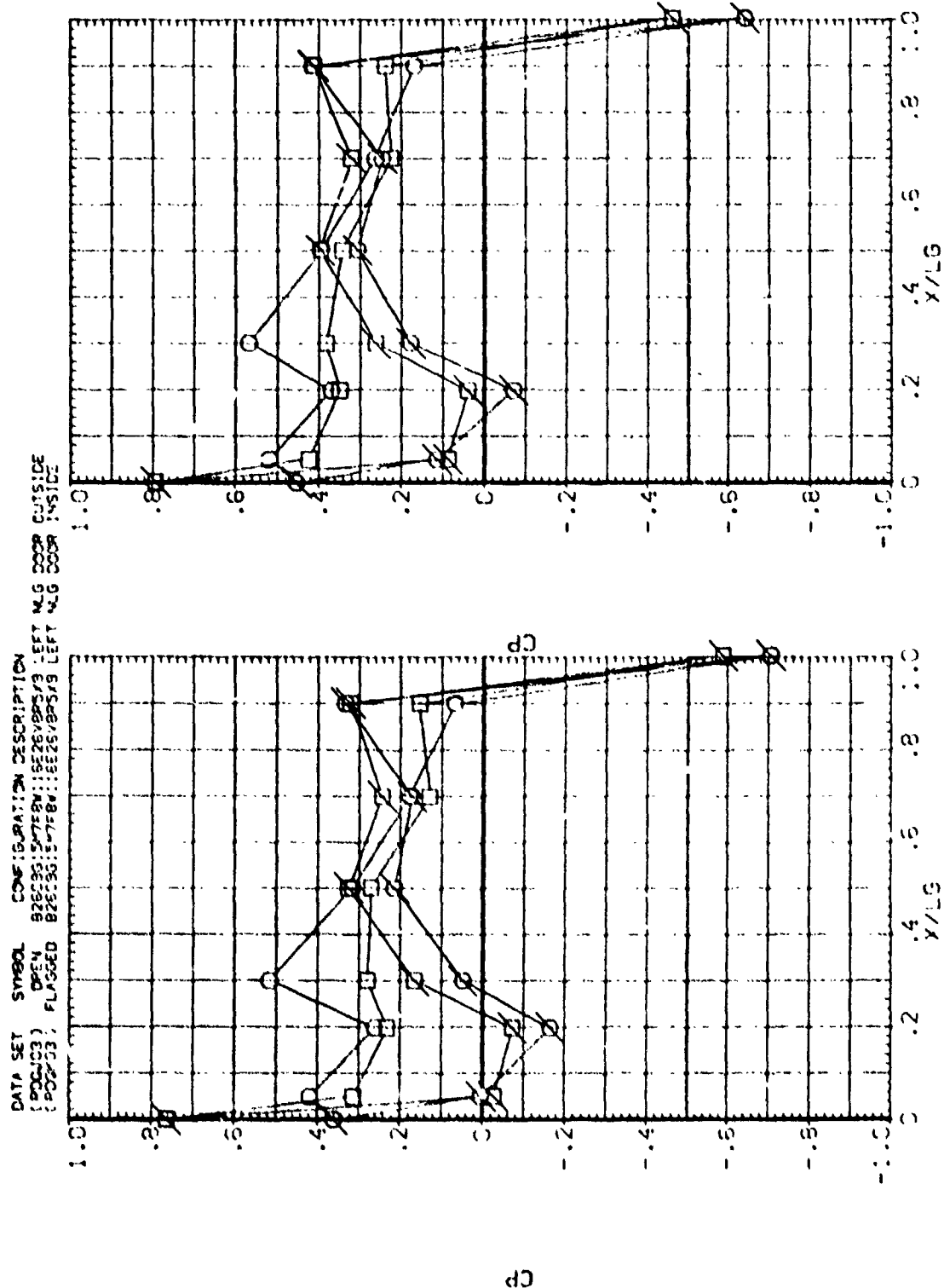


FIG. 40 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/NG ALPHA BETA
 .250 13.130 -10.060
 .750 15.220

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P20203) OPEN B20203:SWT8W116226V8559 LEFT NLG DOOR OUTSIDE
 (P20203) FLAGED B20203:SWT8W116226V8559 LEFT NLG DOOR INSIDE

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDE_LAP -14.250 BETA -10.000

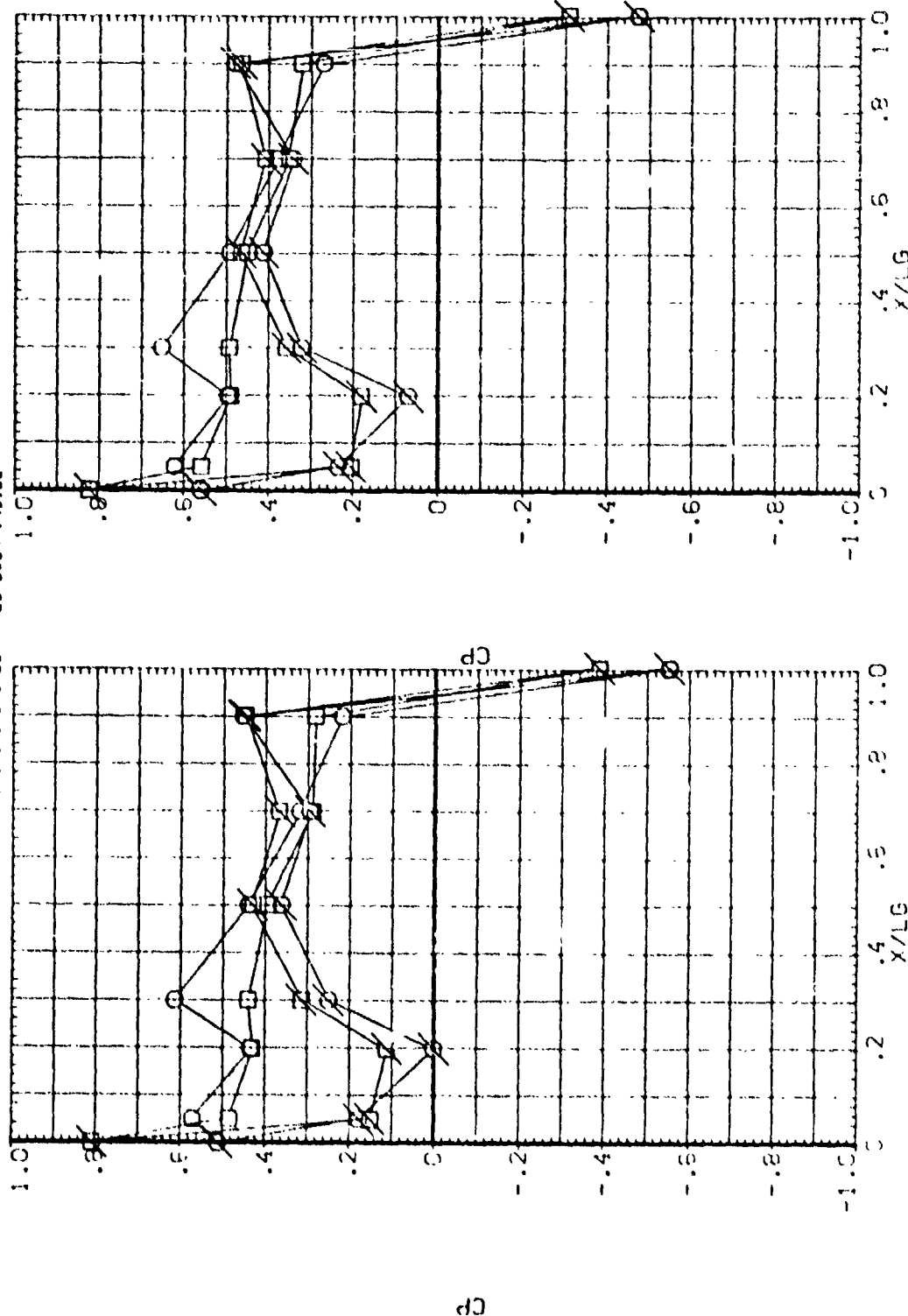


FIG. 43 NOSE LANDING GEAR 0225 LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

S-800
 Z/MG .250 .750
 ALPHA -2.950 .050
 BETA -.010
 ELEVON .000
 BOFLAP -14.250
 RUDDER .000
 BETA .000

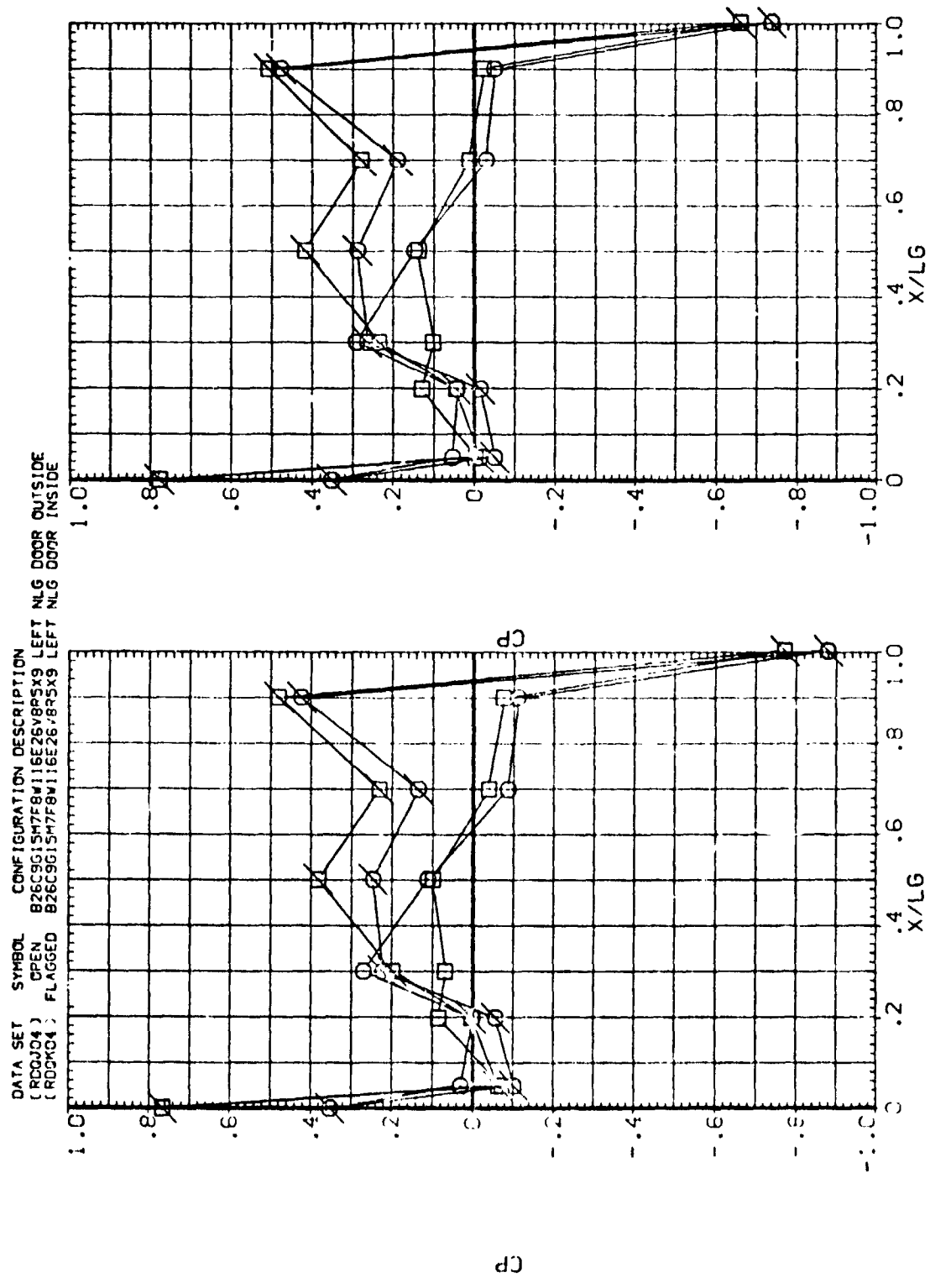


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/HG ALPHA BETA
 O .250 5.030
 □ .750 10.100

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00J04) OPEN B26C9G15H7F8W116E26V8P5X9 LEFT NLG DOOR OUTSIDE
 (R00K04) FLAGGED B26C9G15H7F8W116E26V8P5X9 LEFT NLG DOOR INSIDE

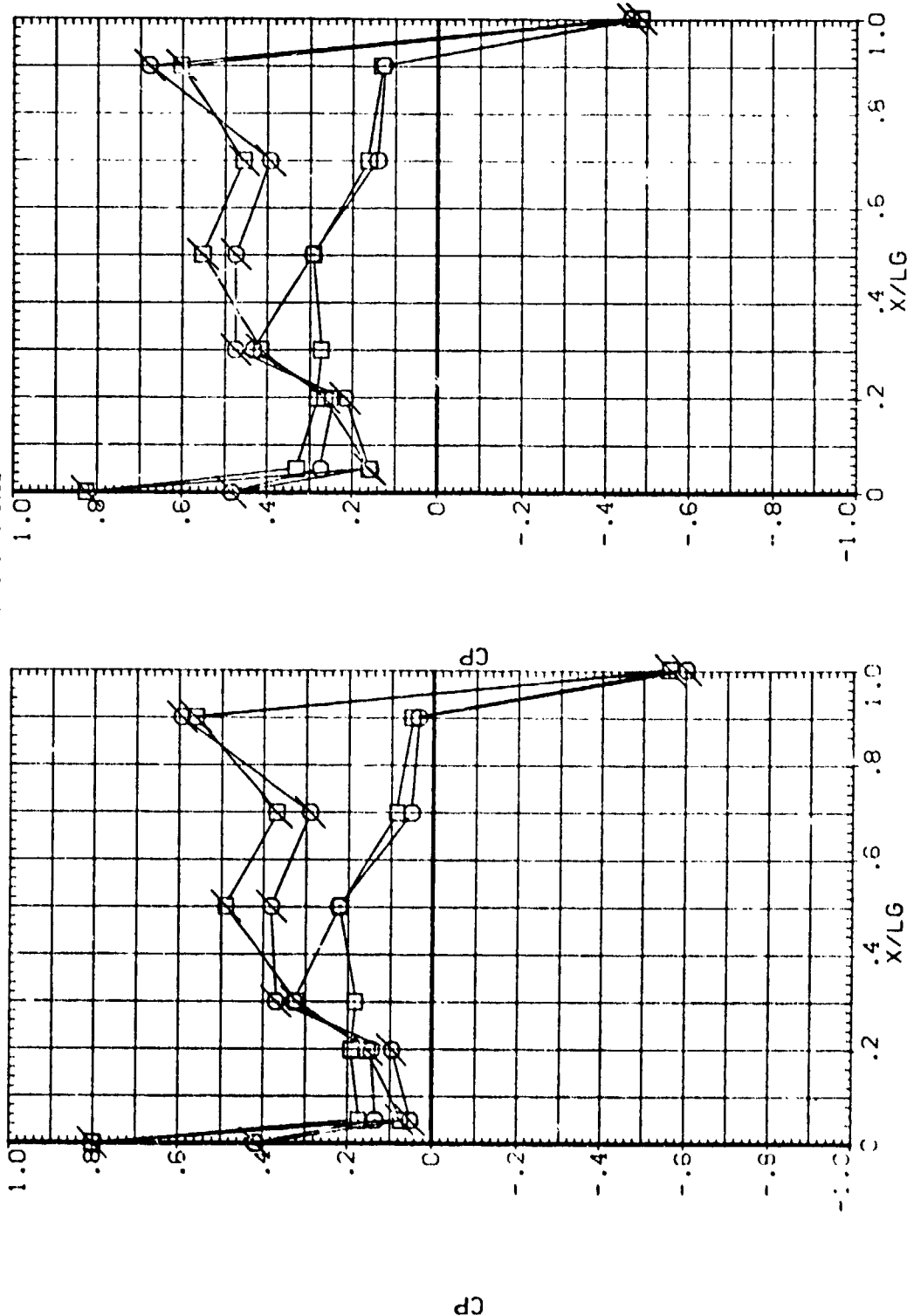


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/HG ALPHA BETA
 .250 13.220 -.010
 .750 16.240

PAP-METRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00J04) OPEN B26C9G1SM7F8W116E26V8RSX9 LEFT NLG DOOR OUTSIDE
 (R00K04) FLAGGED B26C9G1SM7F8W116E26V8RSX9 LEFT NLG DOOR INSIDE

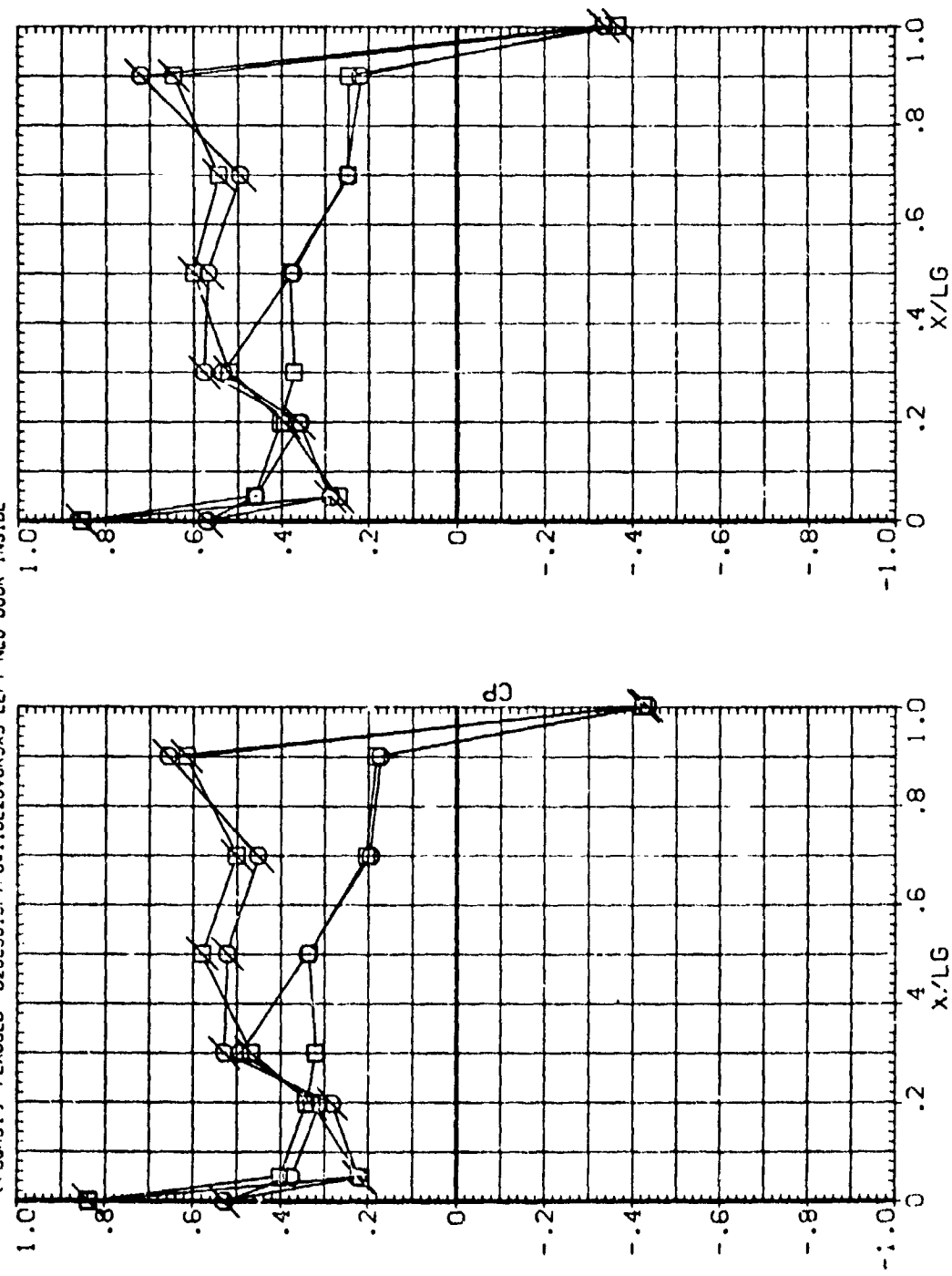


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0
 PAGE 450

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ROQJ05) OPEN B2679G15W7F8W116E25V8R5X9 LEFT NLG DOOR OUTSIDE
 (ROQJ05) FLAGGED B2679G15W7F8W116E25V8R5X9 LEFT NLG DOOR INSIDE

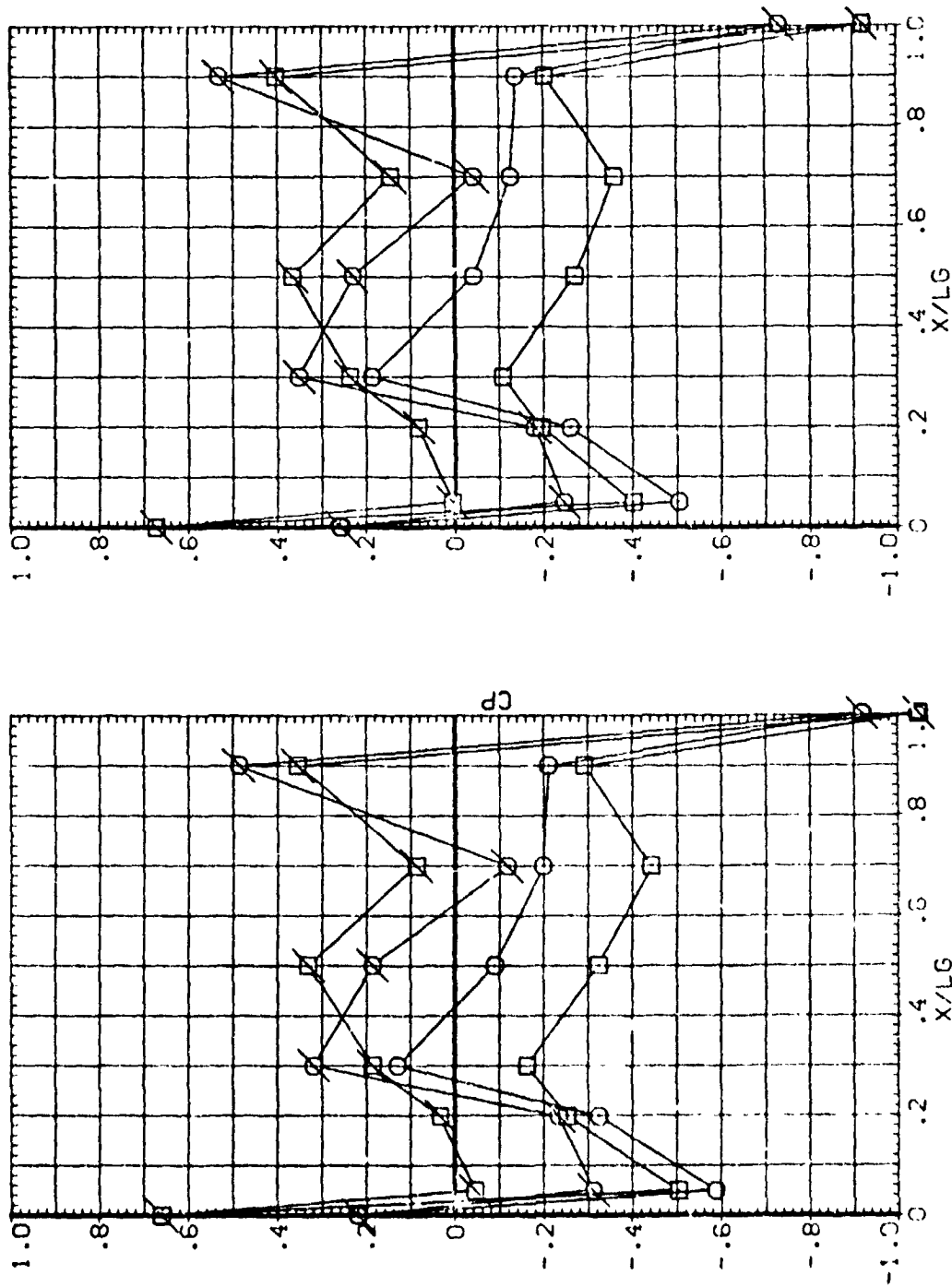


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

STEP 2 Z/HG ALPHA BETA
 .250 5.020 10.050
 .750 10.120

ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

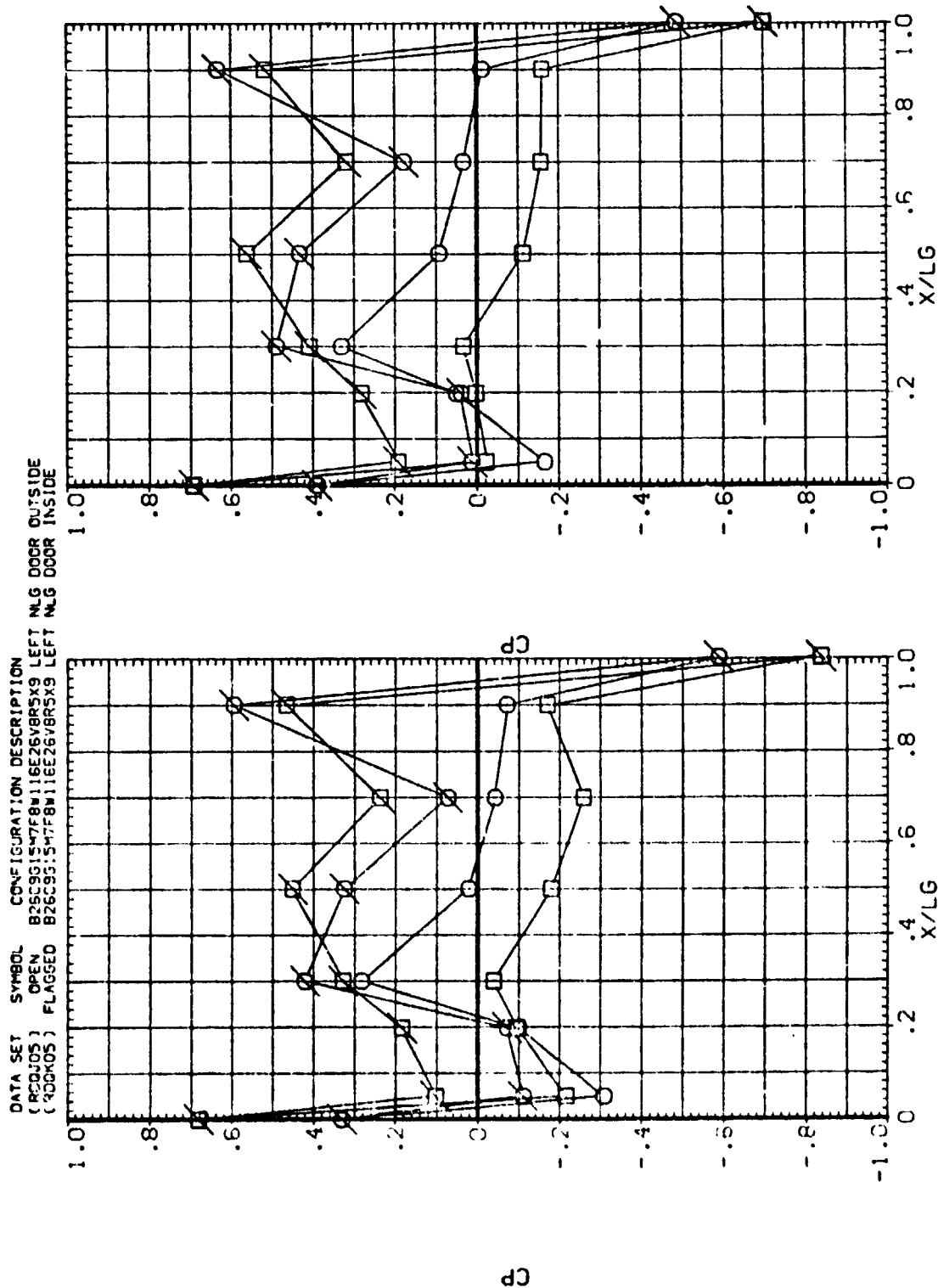


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP 14.250 BETA 10.000

SYMBOL Z/HG ALPHA BETA
□ .250 13.190 10.050
○ .750 16.220

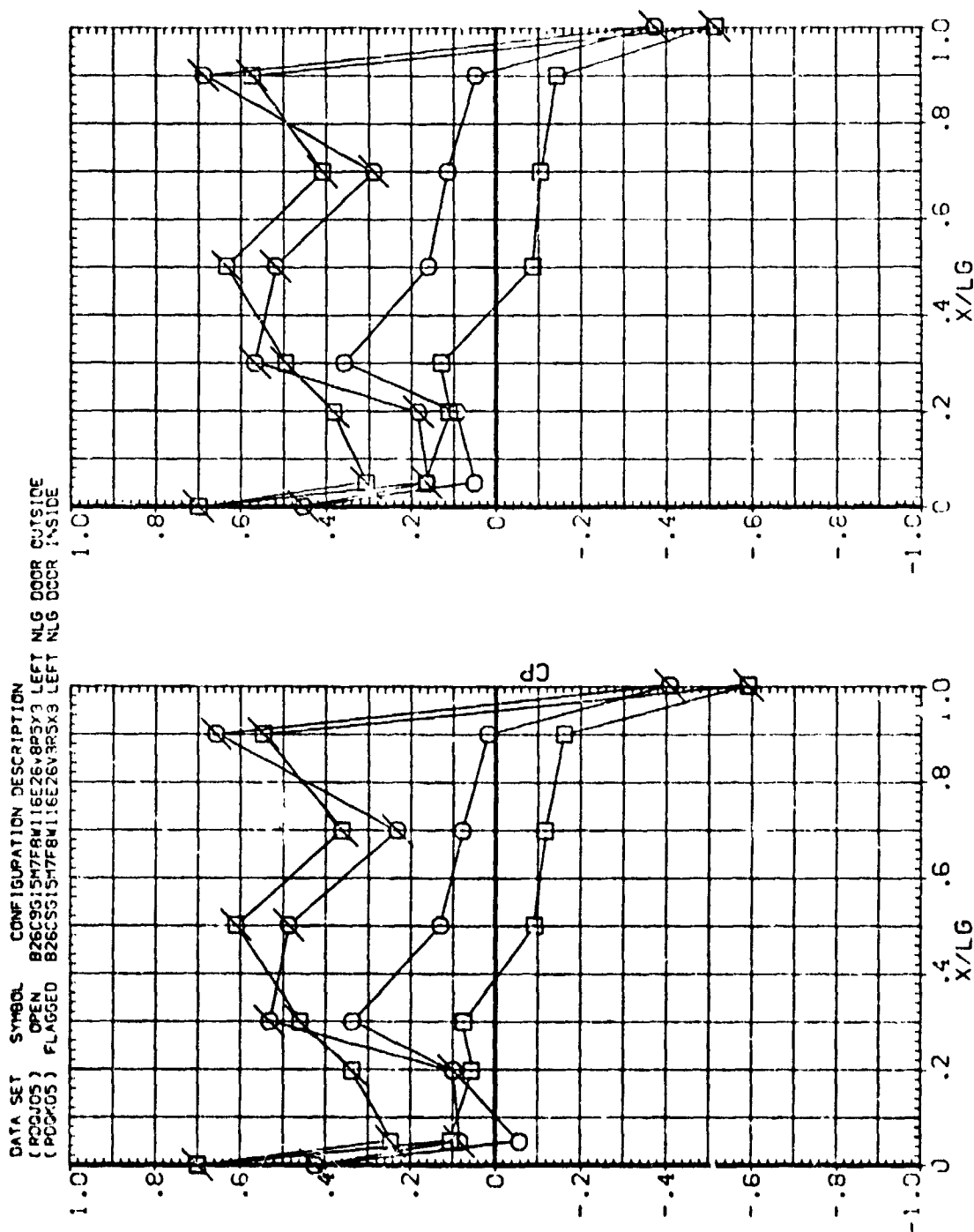


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0
PAGE 453

30

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR